

DRAFT/PROPOSED CAAPP PERMIT  
October 30, 2014

Attention:

Explorer Pipeline Company Wood River Pump Station  
Attn: James F. Sieck  
1355 Robins Road  
East Alton, Illinois 62024

State of Illinois

# CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

Source:

Explorer Pipeline Company  
1355 Robbins Road  
Hartford, Illinois 62048

I.D. No.: 119801AAA  
Permit No.: 95090068

Permitting Authority:

Illinois Environmental Protection Agency  
Bureau of Air, Permit Section  
217/785-1705

**CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT**

Type of Application: Renewal  
Purpose of Application: Renew Existing CAAPP Permit for 5 Years

ID No.: 119801AAA  
Permit No.: 95090068  
Statement of Basis No.: 95090068-1410

Date Application Received: October 25, 2004  
Date Issued: TBD

Expiration Date: TBD  
Renewal Submittal Date: 9 Months Prior to TBD

Source Name: Explorer Pipeline Company Wood River Pump Station  
Address: 1355 Robbins Rd  
City: Hartford  
County: Madison  
ZIP Code: 62048

This permit is hereby granted to the above-designated source authorizing operation in accordance with this CAAPP permit, pursuant to the above referenced application. This source is subject to the conditions contained herein. For further information on the source see Section 1 and for further discussion on the effectiveness of this permit see Condition 2.3(g).

If you have any questions concerning this permit, please contact Rosario Johnstone at 217/785-1705.

Raymond E. Pilapil  
Acting Manager, Permit Section  
Division of Air Pollution Control

REP:AB:RJ:psj

cc: IEPA, Permit Section  
IEPA, FOS, Region 3  
Lotus Notes Database

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## Section 1 - Source Information

## 1. Addresses

Source

Explorer Pipeline Company Wood River Pump  
Station  
1355 Robbins Road  
Hartford, Illinois 62048

Owner

Explorer Pipeline Company  
6846 South Canton, Suite 300  
Tulsa, Oklahoma 74136

Operator

Explorer Pipeline Company  
East Alton, Illinois 62024

Permittee

The Owner and Operator of the source as  
identified in this table.

## 2. Contacts

Certified Officials

The source shall submit an Administrative Permit Amendment for any change in the Certified Officials, pursuant to Section 39.5(13) of the Act.

	<i>Name</i>	<i>Title</i>
<i>Responsible Official</i>	David Ysebaert	President & CEO
<i>Delegated Authority</i>	No other individuals have been authorized by the IEPA.	N/A

Other Contacts

	<i>Name</i>	<i>Phone No.</i>	<i>Email</i>
<i>Source Contact</i>	James F. Sieck	918-493-5143	jsieck@expl.com
<i>Technical Contact</i>	Ryan Moore	918-359-5471	rmoore@expl.com
<i>Correspondence</i>	Ryan Moore	918-359-5471	rmoore@expl.com
<i>Billing</i>	James F. Sieck	918-493-5143	jsieck@expl.com

## 3. Single Source

The source identified in Condition 1.1 above shall be defined to include all the following additional source(s):

<i>I.D. No.</i>	<i>Permit No.</i>	<i>Single Source Name and Address</i>
N/A	N/A	N/A

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## Section 2 - General Permit Requirements

### 1. Prohibitions

- a. It shall be unlawful for any person to violate any terms or conditions of this permit issued under Section 39.5 of the Act, to operate the CAAPP source except in compliance with this permit issued by the IEPA under Section 39.5 of the Act or to violate any other applicable requirements. All terms and conditions of this permit issued under Section 39.5 of the Act are enforceable by USEPA and citizens under the Clean Air Act, except those, if any, that are specifically designated as not being federally enforceable in this permit pursuant to Section 39.5(7)(m) of the Act. [Section 39.5(6)(a) of the Act]
- b. After the applicable CAAPP permit or renewal application submittal date, as specified in Section 39.5(5) of the Act, the source shall not operate this CAAPP source without a CAAPP permit unless the complete CAAPP permit or renewal application for such source has been timely submitted to the IEPA. [Section 39.5(6)(b) of the Act]
- c. No Owner or Operator of the CAAPP source shall cause or threaten or allow the continued operation of an emission source during malfunction or breakdown of the emission source or related air pollution control equipment if such operation would cause a violation of the standards or limitations applicable to the source, unless this CAAPP permit granted to the source provides for such operation consistent with the Act and applicable Illinois Pollution Control Board regulations. [Section 39.5(6)(c) of the Act]
- d. Pursuant to Section 39.5(7)(g) of the Act, emissions from the source are not allowed to exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder, consistent with Section 39.5(17) of the Act and applicable requirements, if any.

### 2. Emergency Provisions

Pursuant to Section 39.5(7)(k) of the Act, the Owner or Operator of the CAAPP source may provide an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations under this CAAPP permit if the following conditions are met through properly signed, contemporaneous operating logs, or other relevant evidence:

- a.
  - i. An emergency occurred and the source can identify the cause(s) of the emergency.
  - ii. The source was at the time being properly operated.
  - iii. The source submitted notice of the emergency to the IEPA within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
  - iv. During the period of the emergency the source took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or requirements in this permit.
- b. For purposes of Section 39.5(7)(k) of the Act, "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, such as an act of God, that requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operation error.
- c. In any enforcement proceeding, the source seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or

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upset provision contained in any applicable requirement. This provision does not relieve the source of any reporting obligations under existing federal or state laws or regulations.

### **3. General Provisions**

#### **a. Duty to Comply**

The source must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [Section 39.5(7)(o)(i) of the Act]

#### **b. Need to Halt or Reduce Activity is not a Defense**

It shall not be a defense for the source in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Section 39.5(7)(o)(ii) of the Act]

#### **c. Duty to Maintain Equipment**

The source shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements. [Section 39.5(7)(a) of the Act]

#### **d. Disposal Operations**

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations, or activities shall not cause a violation of the Act or regulations promulgated there under. [Section 39.5(7)(a) of the Act]

#### **e. Duty to Pay Fees**

- i. The source must pay fees to the IEPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto. [Section 39.5(7)(o)(vi) of the Act]
- ii. The IEPA shall assess annual fees based on the allowable emissions of all regulated air pollutants, except for those regulated air pollutants excluded in Section 39.5(18)(f) of the Act and insignificant activities in Section 6, at the source during the term of this permit. The amount of such fee shall be based on the information supplied by the applicant in its complete CAAPP permit application. [Section 39.5(18)(a)(ii)(A) of the Act]
- iii. The check should be payable to "Treasurer, State of Illinois" and sent to: Fiscal Services Section, Illinois EPA, P.O. Box 19276, Springfield, IL, 62794-9276. Include on the check: ID #, Permit #, and "CAAPP Operating Permit Fees". [Section 39.5(18)(e) of the Act]

#### **f. Obligation to Allow IEPA Surveillance**

Pursuant to Sections 4(a), 39.5(7)(a), and 39.5(7)(p)(ii) of the Act, inspection and entry requirements that necessitate that, upon presentation of credentials and other documents as may be required by law and in accordance with constitutional limitations, the source shall allow the IEPA, or an authorized representative to perform the following:

- i. Enter upon the source's premises where the emission unit(s) are located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
- iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
- iv. Sample or monitor any substances or parameters at any location at reasonable times:
  - A. As authorized by the Clean Air Act or the Act, at reasonable times, for the purposes of assuring compliance with this CAAPP permit or applicable requirements; or
  - B. As otherwise authorized by the Act.
- v. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source authorized by this permit.

**g. Effect of Permit**

- i. Pursuant to Section 39.5(7)(j)(iv) of the Act, nothing in this CAAPP permit shall alter or affect the following:
  - A. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section.
  - B. The liability of the Owner or Operator of the source for any violation of applicable requirements prior to or at the time of permit issuance.
  - C. The applicable requirements of the acid rain program consistent with Section 408(a) of the Clean Air Act.
  - D. The ability of USEPA to obtain information from the source pursuant to Section 114 (inspections, monitoring, and entry) of the Clean Air Act.
- ii. Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, pursuant to Sections 39.5(7)(j) and (p) of the Act, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements. [35 IAC 201.122 and Section 39.5(7)(a) of the Act]

**h. Severability Clause**

The provisions of this permit are severable. In the event of a challenge to any portion of this permit, other portions of this permit may continue to be in effect. Should any portion of this permit be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected and the rights and obligations of the source shall be construed and enforced as if this permit did not contain the particular provisions held to be invalid and the applicable requirements underlying these provisions shall remain in force. [Section 39.5(7)(i) of the Act]

<b>4. <u>Testing</u></b>
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- a. Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods if applicable test methods are not specified by the applicable regulations or otherwise identified in the conditions of this permit. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of

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any tests conducted as required by this permit or as the result of a request by the IEPA shall be submitted as specified in Condition 7.1 of this permit. [35 IAC Part 201 Subpart J and Section 39.5(7)(a) of the Act]

- b. Pursuant to Section 4(b) of the Act and 35 IAC 201.282, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:
  - i. **Testing by Owner or Operator:** The IEPA may require the Owner or Operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the IEPA, at such reasonable times as may be specified by the IEPA and at the expense of the Owner or Operator of the emission source or air pollution control equipment. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The IEPA shall have the right to observe all aspects of such tests.
  - ii. **Testing by the IEPA:** The IEPA shall have the right to conduct such tests at any time at its own expense. Upon request of the IEPA, the Owner or Operator of the emission source or air pollution control equipment shall provide, without charge to the IEPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary.

## **5. Recordkeeping**

### **a. Control Equipment Maintenance Records**

Pursuant to Section 39.5(7)(b) of the Act, a maintenance record shall be kept on the premises for each item of air pollution control equipment. At a minimum, this record shall show the dates maintenance was performed and the nature of preventative maintenance activities.

### **b. Retention of Records**

- i. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [Section 39.5(7)(e)(ii) of the Act]
- ii. Pursuant to Section 39.5(7)(a) of the Act, other records required by this permit including any logs, plans, procedures, or instructions required to be kept by this permit shall be retained for a period of at least 5 years from the date of entry unless a different period is specified by a particular permit provision.

### **c. Availability of Records**

- i. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall retrieve and provide paper copies, or as electronic media, any records retained in an electronic format (e.g., computer) in response to an IEPA or USEPA request during the course of a source inspection.
- ii. Pursuant to Section 39.5(7)(a) of the Act, upon written request by the IEPA for copies of records or reports required to be kept by this permit, the Permittee shall promptly submit a copy of such material to the IEPA. For this purpose, material shall be submitted to the IEPA within 30 days unless additional time is provided by the IEPA or the Permittee believes that the volume and nature of



requested material would make this overly burdensome, in which case, the Permittee shall respond within 30 days with the explanation and a schedule for submittal of the requested material. (See also Condition 2.9(d))

## 6. Certification

### a. Compliance Certification

- i. Pursuant to Section 39.5(7)(p)(v)(C) of the Act, the source shall submit annual compliance certifications by May 1 unless a different date is specified by an applicable requirement or by a particular permit condition. The annual compliance certifications shall include the following:
  - A. The identification of each term or condition of this permit that is the basis of the certification.
  - B. The compliance status.
  - C. Whether compliance was continuous or intermittent.
  - D. The method(s) used for determining the compliance status of the source, both currently and over the reporting period consistent with the conditions of this permit.
- ii. Pursuant to Section 39.5(7)(p)(v)(D) of the Act, all compliance certifications shall be submitted to the IEPA Compliance Section. Address is included in Attachment 3.
- iii. Pursuant to Section 39.5(7)(p)(i) of the Act, all compliance reports required to be submitted shall include a certification in accordance with Condition 2.6(b).

### b. Certification by a Responsible Official

Any document (including reports) required to be submitted by this permit shall contain a certification by the responsible official of the source that meets the requirements of Section 39.5(5) of the Act and applicable regulations. [Section 39.5(7)(p)(i) of the Act]. An example Certification by a Responsible Official is included in Attachment 4 of this permit.

## 7. Permit Shield

- a. Pursuant to Section 39.5(7)(j) of the Act, except as provided in Condition 2.7(b) below, the source has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the IEPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit. This permit shield does not extend to applicable requirements which are promulgated after **Error! Bookmark not defined.** (date USEPA notice started), unless this permit has been modified to reflect such new requirements.
- b. Pursuant to Section 39.5(7)(j) of the Act, this permit and the terms and conditions herein do not affect the Permittee's past and/or continuing obligation with respect to statutory or regulatory requirements governing major source construction or modification under Title I of the CAA. Further, neither the issuance of this permit nor any of the terms or conditions of the permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.

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- c. Pursuant to Section 39.5(7)(a) of the Act, the issuance of this permit by the IEPA does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the IEPA or the USEPA may have against the applicant including, but not limited to, any enforcement action authorized pursuant to the provision of applicable federal and state law.

## 8. Title I Conditions

Pursuant to Sections 39(a), 39(f), and 39.5(7)(a) of the Act, as generally identified below, this CAAPP permit may contain certain conditions that relate to requirements arising from the construction or modification of emission units at this source. These requirements derive from permitting programs authorized under Title I of the Clean Air Act (CAA) and regulations thereunder, and Title X of the Illinois Environmental Protection Act (Act) and regulations implementing the same. Such requirements, including the New Source Review programs for both major (i.e., PSD and nonattainment areas) and minor sources, are implemented by the IEPA.

- a. This permit may contain conditions that reflect requirements originally established in construction permits previously issued for this source. These conditions include requirements from preconstruction permits issued pursuant to regulations approved or promulgated by USEPA under Title I of the CAA, as well as requirements contained within construction permits issued pursuant to state law authority under Title X of the Act. Accordingly, all such conditions are incorporated into this CAAPP permit by virtue of being either an "applicable Clean Air Act requirement" or an "applicable requirement" in accordance with Section 39.5 of the Act. These conditions are identifiable herein by a designation to their origin of authority.
- b. This permit may contain conditions that reflect necessary revisions to requirements established for this source in preconstruction permits previously issued under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIR".
  - i. Revisions to original Title I permit conditions are incorporated into this permit through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
  - ii. Revised Title I permit conditions shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.
- c. This permit may contain conditions that reflect new requirements for this source that would ordinarily derive from a preconstruction permit established under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIN".
  - i. The incorporation of new Title I requirements into this CAAPP permit is authorized through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
  - ii. Any Title I conditions that are newly incorporated shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.

## **9. Reopening and Revising Permit**

### **a. Permit Actions**

This permit may be modified, revoked, reopened and reissued, or terminated for cause in accordance with applicable provisions of Section 39.5 of the Act. The filing of a request by the source for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [Section 39.5(7)(o)(iii) of the Act]

### **b. Reopening and Revision**

Pursuant to Section 39.5(15)(a) of the Act, this permit must be reopened and revised if any of the following occur:

- i. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;
- ii. Additional requirements become applicable to the source for acid deposition under the acid rain program;
- iii. The IEPA or USEPA determines that this permit contains a material mistake or that an inaccurate statement was made in establishing the emission standards or limitations, or other terms or conditions of this permit; or
- iv. The IEPA or USEPA determines that this permit must be revised or revoked to ensure compliance with the applicable requirements.

### **c. Inaccurate Application**

Pursuant to Sections 39.5(5)(e) and (i) of the Act, the IEPA has issued this permit based upon the information submitted by the source in the permit application referenced on page 1 of this permit. Any misinformation, false statement or misrepresentation in the application shall be grounds for revocation or reopening of this CAAPP under Section 39.5(15) of the Act.

### **d. Duty to Provide Information**

The source shall furnish to the IEPA, within a reasonable time specified by the IEPA any information that the IEPA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the source shall also furnish to the IEPA copies of records required to be kept by this permit. [Section 39.5(7)(o)(v) of the Act]

## **10. Emissions Trading Programs**

No permit revision shall be required for increases in emissions allowed under any USEPA approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement. [Section 39.5(7)(o)(vii) of the Act]

## **11. Permit Renewal**

- a. Upon the expiration of this permit, if the source is operated, it shall be deemed to be operating without a permit unless a timely and complete CAAPP application has been submitted for renewal of this permit. However, if a timely and complete application to renew this CAAPP permit has been submitted, the terms and all conditions of the most recent issued CAAPP permit will remain in effect until the issuance of a renewal permit. [Sections 39.5(5)(1) and (o) of the Act]

- b. For purposes of permit renewal, a timely application is one that is submitted no less than 9 months prior to the date of permit expiration. [Section 39.5(5)(n) of the Act]

## **12. Permanent Shutdown**

Pursuant to Section 39.5(7)(a) of the Act, this permit only covers emission units and control equipment while physically present at the source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

## **13. Startup, Shutdown, and Malfunction**

Pursuant to Section 39.5(7)(a) of the Act, in the event of an action to enforce the terms or conditions of this permit, this permit does not prohibit a Permittee from invoking any affirmative defense that is provided by the applicable law or rule.

## Section 3 - Source Requirements

### 1. Applicable Requirements

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

#### a. Fugitive Particulate Matter

- i. Pursuant to 35 IAC 212.301 and 35 IAC 212.314, no person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source unless the wind speed is greater than 25 mph.
- ii. Compliance Method (Fugitive Particulate Matter)

Upon request by the IEPA, the Permittee shall conduct observations at the property line of the source for visible emissions of fugitive particulate matter from the source to address compliance with 35 IAC 212.301. For this purpose, daily observations shall be conducted for a week for particular area(s) of concern at the source, as specified in the request, observations shall begin either within one day or three days of receipt of a written request from the IEPA, depending, respectively, upon whether observations will be conducted by employees of the Permittee or a third-party observer hired by the Permittee to conduct observations on its behalf. The Permittee shall keep records for these observations, including identity of the observer, the date and time of observations, the location(s) from which observations were made, and duration of any fugitive emissions event(s).

#### b. Ozone Depleting Substances

Pursuant to 40 CFR 82.150(b), the Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- i. Pursuant to 40 CFR 82.156, persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices.
- ii. Pursuant to 40 CFR 82.158, equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment.
- iii. Pursuant to 40 CFR 82.161, persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program.
- iv. Pursuant to 40 CFR 82 Subpart B, any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner shall comply with 40 CFR 82 Subpart B, Servicing of Motor Vehicle Air Conditioners.
- v. Pursuant to 40 CFR 82.166, all persons shall comply with the reporting and recordkeeping requirements of 40 CFR 82.166.

#### c. Asbestos Demolition and Renovation

- i. Asbestos Fees. Pursuant to Section 9.13(a) of the Act, for any site for which the Owner or Operator must file an original 10-day notice of intent to renovate or

demolish pursuant to Condition 3.1(c)(ii) below and 40 CFR 61.145(b), the owner or operator shall pay to the IEPA with the filing of each 10-day notice a fee of \$150.

- ii. Pursuant to 40 CFR 61 Subpart M, Standard of Asbestos, prior to any demolition or renovation at this facility, the Permittee shall fulfill notification requirements of 40 CFR 61.145(b).
- iii. Pursuant to 40 CFR 61.145(c), during demolition or renovation, the Permittee shall comply with the procedures for asbestos emission control established by 40 CFR 61.145(c).

**d. Future Emission Standards**

Pursuant to Section 39.5(15)(a) of the Act, this source shall comply with any new or revised applicable future standards of 40 CFR 60, 61, 62, or 63; or 35 IAC Subtitle B after the date issued of this permit. The Permittee shall, in accordance with the applicable regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification, as required by Condition 2.6(a). This permit may also have to be revised or reopened to address such new regulations in accordance to Condition 2.9.

**2. Applicable Plans and Programs**

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

**a. Fugitive PM Operating Program**

Should this source become subject to 35 IAC 212.302, the Permittee shall prepare and operate under a Fugitive PM Operating Program consistent with 35 IAC 212.310 and submitted to the IEPA for its review. The Fugitive PM Operating Program shall be designed to significantly reduce fugitive particulate matter emissions, pursuant to 35 IAC 212.309(a). Any future Fugitive PM Operating Program made by the Permittee during the permit term is automatically incorporated by reference provided the Fugitive PM Operating Program is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the Fugitive PM Operating Program. In the event that the IEPA notifies the Permittee of a deficiency with any Fugitive PM Operating Program, the Permittee shall be required to revise and resubmit the Fugitive PM Operating Program within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.

**b. PM<sub>10</sub> Contingency Measure Plan**

Should this source become subject to 35 IAC 212.700, then the Permittee shall prepare and operate under a PM<sub>10</sub> Contingency Measure Plan reflecting the PM<sub>10</sub> emission reductions as set forth in 35 IAC 212.701 and 212.703. The Permittee shall, within 90 days after the date this source becomes subject to 35 IAC 212.700, submit a request to modify this CAAPP permit in order to include a new, appropriate PM<sub>10</sub> Contingency Measure Plan.

**c. Episode Action Plan**

- i. Pursuant to 35 IAC 244.141, the Permittee shall have on file with the IEPA an Episode Action Plan for reducing the levels of emissions during yellow alerts, red alerts, and emergencies, consistent with safe operating procedures. The Episode Action Plan shall contain the information specified in 35 IAC 244.144.
- ii. The Permittee shall immediately implement the appropriate steps described in the Episode Action Plan should an air pollution alert or emergency be declared, as

required by 35 IAC 244.169, or as may otherwise be required under 35 IAC 244, Appendix D.

- iii. Pursuant to 35 IAC 244.143(d), if an operational change occurs at the source which invalidates the Episode Action Plan, a revised Episode Action Plan shall be submitted to the IEPA for review within 30 days of the change and is automatically incorporated by reference provided the revision is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the revision. In the event that the IEPA notifies the Permittee of a deficiency with any revision to the Episode Action Plan, the Permittee shall be required to revise and resubmit the Episode Action Plan within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.
- iv. The Episode Action Plan, as submitted by the Permittee on 04/09/2014, is incorporated herein by reference. The document constitutes the formal Episode Action Plan required by 35 IAC 244.142, addressing the actions that will be implemented to reduce SO<sub>2</sub>, PM<sub>10</sub>, NO<sub>2</sub>, CO and VOM emissions from various emissions units in the event of a yellow alert, red alert or emergency issued under 35 IAC 244.161 through 244.165.
- v. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep a copy of the Episode Action Plan, any amendments or revisions to the Episode Action Plan (as required by Condition 3.2(c)), and the Permittee shall also keep a record of activities completed according to the Episode Action Plan.

**d. Risk Management Plan (RMP)**

Should this stationary source, as defined in 40 CFR 68.3, become subject to the federal regulations for Chemical Accident Prevention in 40 CFR Part 68, then the Permittee shall submit a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a); or submit a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan, as part of the annual compliance certification required by Condition 2.6(a). This condition is imposed in this permit pursuant to 40 CFR 68.215(a)(2)(i) and (ii).

<b>3. Equipment Leaks (40 CFR 63 Subpart R)</b>
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- a. Pursuant to 40 CFR 63.424(a), the Permittee shall perform a monthly leak inspection of all equipment in gasoline service. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. Each piece of equipment shall be inspected during the loading of a gasoline cargo tank.
- b. Pursuant to 40 CFR 63.424(b), a log book shall be used and shall be signed by the Permittee at the completion of each inspection. A section of the log shall contain a list, summary description, ordiagram(s) showing the location of all equipment in gasoline service at the facility.
- c. Pursuant to 40 CFR 63.424(c), each detection of a liquid or vapor leak shall be recorded in the log book. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in 40 CFR 63.424(d).
- d. Pursuant to 40 CFR 63.424(d), delay of repair of leaking equipment will be allowed upon a demonstration to the IEPA that repair within 15 days is not feasible. The Permittee shall provide the reason(s) a delay is needed and the date by which each repair is expected to be completed.
- e. Pursuant to 40 CFR 428(e), the Permittee shall record the following information in the log book for each leak that is detected:

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1. The equipment type and identification number;
  2. The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell);
  3. The date the leak was detected and the date of each attempt to repair the leak;
  4. Repair methods applied in each attempt to repair the leak;
  5. "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak;
  6. The expected date of successful repair of the leak if the leak is not repaired within 15 days; and
  7. The date of successful repair of the leak.
- f. Pursuant to 40 CFR 63.424(g), the Permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
1. Minimize gasoline spills;
  2. Clean up spills as expeditiously as practicable;
  3. Cover all open gasoline containers with a gasketed seal when not in use;
  4. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

<b>4. Pump and Compressor Requirements (35 IAC 219.142)</b>
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- a. Pursuant to 35 IAC 219.142, the Permittee shall not cause or allow the discharge of more than 32.8 ml (2 cu in) of VOL with vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3°K (70°F) into the atmosphere from any pump or compressor in any 15 minute period at standard conditions.
- b. Pursuant to Section 39.5(7)(a) of the Act, compliance with the standard in 35 IAC 219.142 shall be achieved through implementation of the following procedures:
  - i. Inspections and repairs of the liquid leaks, as identified in 40 CFR 63.424 and described in Condition 3.3 above.
  - ii. If a liquid leak(s) of VOL was discovered and identified, the Permittee shall use all available means to start localizing or collecting a leak. Before the leak is repaired, the Permittee shall also assess the amount of VOL being discharged relative to the applicable limitation in Condition 3.4(a). This assessment in compliance demonstration with the applicable standard can be completed in 15 minutes or can be based on an hour-long sample. If the leak gives the appearance of becoming more severe prior to repair, the assessment shall be repeated.
  - iii. If the VOL leak exceeds the amount identified in 35 IAC 219.142, the Permittee shall report this event in accordance with Condition 3.7(a).
- c. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall keep records documenting whether the discharge of VOL emissions was in compliance with the applicable limitation in Condition 3.4(a) above.

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**5. Title I Requirements**

As of the date of issuance of this permit, there are no source-wide Title I requirements that need to be included in this Condition.

**6. Synthetic Minor Limits**

As of the date of issuance of this permit, there are no source-wide synthetic minor limits that need to be included in this Condition.

**7. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows:
  - I. Requirements in Conditions 3.1(a)(i), 3.1(b), 3.1(c), and 3.1(d).
  - II. Requirements in Conditions 3.2(a), 3.2(b), 3.2(c), and 3.2(d).
  - III. Requirements in Conditions 3.3 and 3.4
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.7(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.7(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.
- iv. All deviation reports required in this Permit shall be identified, summarized, and reported as part of the Semiannual Monitoring Report required by Condition 3.7(b).

**b. Semiannual Reporting**

- i. Pursuant to Section 39.5(7)(f)(i) of the Act, the Permittee shall submit a Semi-Annual Monitoring Report to the Illinois EPA, Air Compliance Section, summarizing required monitoring and identifying all instances of deviation from the permit, every six months as follows, unless more frequent reporting is required elsewhere in this Permit.

Monitoring Period  
 January through June  
 July through December

Report Due Date  
 July 31  
 January 31

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- ii. The Semiannual Monitoring Report must be certified by a Responsible Official consistent with Condition 2.6(b).

Note: Required monitoring includes all applicable monitoring, testing, recordkeeping, and reporting requirements. This may include monitoring requirements not addressed within the Compliance Method Sections of this Permit.

**c. Annual Emissions Reporting**

Pursuant to 35 IAC Part 254, the Source shall submit an Annual Emission Report to the Air Quality Planning Section, due by May 1 of the year following the calendar year in which the emissions took place. All records and calculations upon which the verified and reported data are based must be retained by the source.

**d. Federal Reporting for Equipment Leaks (40 CFR 63 Subpart R)**

- i. Pursuant to 40 CFR 63.428(f), the Permittee shall provide to the Illinois EPA, the semiannual compliance report specified in 40 CFR 63.424, including a description of the types, identification numbers, and locations of all equipment in gasoline service.. The semiannual compliance report could be submitted together with a Semiannual Monitoring Report on the dates identified above.
- ii. Pursuant to 63.428(d), each owner or operator of storage vessels subject to the provisions of this subpart shall keep records and furnish reports as specified in 40 CFR 60.115b.
- iii. Pursuant to 40 CFR 63.428(g) through (k), the Permittee shall include in the semiannual report to the Illinois EPA the information required as applicable.

## Section 4 - Emission Unit Requirements

### 4.1 Internal Floating Roof Storage Tanks in Gasoline Service

#### 1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
Tanks, Subject to NSPS Subpart K and NESHAP Subpart R					
2,220,246 Gallons Internal Floating Roof Tank #420	VOM, HAP	02/1974	N/A	Internal floating roof with dome, liquid mounted metallic shoe primary seal, and a permanent submerged loading pipe	None
4,464,348 Gallons Internal Floating Roof (Tank #421)	VOM, HAP	02/1974	N/A	Internal floating roof with dome, liquid mounted metallic shoe primary seal, and a permanent submerged loading pipe	None
2,220,792 Gallons Internal Floating Roof Tank #422	VOM, HAP	02/1974	N/A	Internal floating roof with dome, liquid mounted metallic shoe primary seal, and a permanent submerged loading pipe	None
4,496,310 Gallons Internal Floating Roof (Tank #430)	VOM, HAP	02/1974	N/A	Internal floating roof with dome, liquid mounted metallic shoe primary seal, and a permanent submerged loading pipe	None
4,485,852 Gallons Internal Floating Roof Tank #431	VOM, HAP	02/1974	N/A	Internal floating roof, liquid mounted metallic shoe primary seal and a permanent submerged loading pipe	None
338,646 Gallons Internal Floating Roof Tank #490	VOM, HAP	02/1974	N/A	Internal floating roof, liquid mounted metallic shoe primary seal and a permanent submerged loading pipe	None

#### 2. Applicable Requirements

For the emission units in Condition 4.1.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

##### a. i. Work Practices and Control Requirements

##### A. Requirements of 35 IAC Part 219 Subpart B:

- I. Pursuant to 35 IAC 219.121(b)(1), each tank shall be equipped with a floating roof which rests on the surface of the volatile petroleum liquid (VPL) and is equipped with a closure seal or seals between the roof edge and the tank wall. VPL stored in each floating roof tank shall not have a vapor pressure of 86.19 kPa (12.5 psia) or greater at 294.3°K (70°F). The Permittee shall not cause or allow the emission of VOMs into the atmosphere from any gauging or sampling devices attached to each tank, except during sampling or maintenance operations.
- II. Pursuant to 35 IAC 219.122(b), each tank shall be equipped with a permanent submerged loading pipe.

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**B. Requirements of 40 CFR 60 Subpart K and 40 CFR 63 Subpart R:**

- I. Pursuant to 40 CFR 60.112b(a)(1)(i) and (a)(1)(ii)(C), each tank shall be equipped with a floating roof meeting the following specifications: The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible, the internal floating roof shall be equipped with the following closure devices between the wall of the storage vessel and the edge of the internal floating roof: A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
- II. Pursuant to CFR 60.112b(a)(1)(iii), each tank with a noncontact internal floating roof shall have each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface as referenced by 40 CFR 63.423(a).

ii. Compliance Method (Work Practice and Control Requirements)

Monitoring

- A. Pursuant to 40 CFR 60.113b(a)(2) and 40 CFR 113b(a)(3)(ii), the Permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the Permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the IEPA in the inspection report required in 40 CFR 60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible as referenced by 40 CFR 63.425(d) or
- B. Pursuant to 40 CFR 60.113b(a)(4) and 40 CFR 113b(a)(3)(i), the Permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the Permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 5 years as referenced by 40 CFR 63.425(d).

**Section 4 - Emission Unit Requirements**  
**4.1 - Internal Floating Roof Storage Tanks in Gasoline Service**

- C. Pursuant to 40 CFR 60.113b(a)(5) as referenced by 40 CFR 63.425(d), the Permittee shall Notify the IEPA in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(4) to afford the IEPA the opportunity to have an observer present. If the inspection required by 40 CFR 60.113b (a)(4) is not planned and the Permittee could not have known about the inspection 30 days in advance or refilling the tank, the Permittee shall notify the IEPA at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express.

Recordkeeping

- D. Pursuant to 40 CFR 60.115b(a)(2) as referenced by 40 CFR 63.428(d), the Permittee shall keep the following records of each inspection:
- I. Tank dimensions and capacity.
  - II. Inspection results with the following data:
    - 1. Identification of the storage tank that was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings);
    - 2. The date of inspection;
    - 3. A description of all inspection failures;
    - 4. A description of all repairs and the dates they were made;
    - 5. The date the storage vessel was removed from service, if applicable.
- E. Pursuant to 40 CFR 60.116b(b) as referenced by 40 CFR 63.427(c), the Permittee shall keep the records of showing the dimensions and an analysis showing the capacity of each tank.
- F. Pursuant to 40 CFR 60.116b(c) as referenced by 40 CFR 63.427(c), for each tank, the Permittee shall maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.
- G. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the presence of the submerged loading pipe.
- H. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the following items for each storage tank at the source with a capacity of 40 m3 (approximately 10,500 gallons) or greater. These records shall be kept up to date for each tank at the source and be retained until the tank is removed from the source.
- 1. The date on which construction of the tank was commenced, with a copy of supporting documentation;
  - 2. The date(s) on which modification or reconstruction, as defined in the NSPS, 40 CFR 60.14 and 60.15 respectively, were commenced on the tank, if applicable.

**Section 4 - Emission Unit Requirements**  
**4.1 - Internal Floating Roof Storage Tanks in Gasoline Service**

- I. Pursuant to 40 CFR 60.113(a), the Permittee shall maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.

**3. Non-Applicability Determinations**

- a. The tanks are not subject to the New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels), 40 CFR Part 60 Subpart Kb, because the tanks were not constructed, reconstructed, or modified after July 23, 1984.
- b. The tanks are not subject to the New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels), 40 CFR Part 60 Subpart Ka, because the tanks were not constructed, reconstructed, or modified after May 18, 1978.
- c. The tanks are not subject to 35 IAC 219.120 (Control Requirements for Storage Containers or VOL) pursuant to 35 IAC 219.119(e) because the tanks store petroleum liquids.
- d. The tanks are not subject to 35 IAC 219.127, 35 IAC 219.128, and 35 IAC 219.129 (Testing Monitoring and Recordkeeping and Reporting VOL operations) because each tank is not subject to 35 IAC 219.120.
- e. Pursuant to 35 IAC 219.123(a)(5), the tanks are not subject to the requirements of 35 IAC 219.123(b) because each tank is subject to the NSPS requirements.
- f. The tanks are not subject to 35 IAC 219.124(a) because the tanks do not have external floating roofs.
- g. The gasoline storage tanks are not subject to 35 IAC 219.301 because the gasoline storage tanks do not use organic material as defined in 35 IAC 211.4250(b).
- h. The tanks are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the tanks use passive control measures, such as seals, lids, or roofs, that are not considered control devices.

**4. Other Requirements**

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

**5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, in writing within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.1.2(a)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.7(b).

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**Section 4 - Emission Unit Requirements**  
**4.1 - Internal Floating Roof Storage Tanks in Gasoline Service**

- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.7(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

**b. State Reporting**

- i.
  - A. Pursuant to 35 IAC 219.127(a)(5), the Permittee shall promptly notify the IEPA, Air Compliance Section, in writing at least 30 days prior to the filling or refilling of each VOL storage vessel for which an inspection is required by 35 IAC 219.127 (a)(1) and (a)(4) to afford the IEPA the opportunity to have an observer present. If the inspection required by subsection 35 IAC 219.127(a)(4) is not planned and the Permittee could not have known about the inspection 30 days in advance of refilling the tank, the Permittee shall notify the Agency at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the IEPA at least 7 days prior to the refilling.
  - B. Pursuant to 35 IAC 219.129(a)(3), if any of the conditions described in 35 IAC 219.127(a)(2) are detected during the annual visual inspection required by Section 219.127(a)(2), the Permittee shall promptly report to the IEPA within 30 days after the inspection, the identity of the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made; and
  - C. Pursuant to 35 IAC 219.129(a)(4), after each inspection required by 35 IAC 219.127(a)(3) where holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 35 IAC 219.127(a)(3)(B) are discovered, report to the IEPA within 30 days after the inspection the identity of the storage vessel and the reason it did not meet the specifications of 35 IAC 218.120(a)(1) or (2) or 35 IAC 219.127(a), and list each repair made.

**c. Federal Reporting**

- i. Pursuant to 40 CFR 60.115b, the Permittee must submit reports as specified in 40 CFR 63.115b as referenced by 40 CFR 63.428(d). Pursuant to 40 CFR 60.115b(a)(4), the Permittee shall include in a semiannual compliance report required by Condition 3.7(b), the following information:
  - A. After each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii), a report shall be furnished to the IEPA within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR 60.113b(a)(3) and list each repair made.

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## 4.2 External Floating Roof Storage Tank for Volatile Petroleum Liquids

### 1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
2,050,524 Gallons External Floating Roof (Tank #439)	VOM, HAP	Prior to 06/1973	N/A	External floating roof, mechanical shoe primary seal, and rim mounted secondary seal and a permanent submerged loading pipe.	None

\* Note: The primary operational mode of the tanks is interface (transmix). However, operational flexibility for the tanks is provided by Section 4.2.4, and also allows for the storage of liquids with much lower vapor pressures than gasoline (e.g., distillate fuel oils).

### 2. Applicable Requirements

For the emission units in Condition 4.2.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

#### a. i. Work Practices and Control Requirements

##### A. Requirements of 35 IAC Part 219 Subpart B:

- I. Pursuant to 35 IAC 219.121(b)(1), each tank shall be equipped with a floating roof which rests on the surface of the volatile petroleum liquid (VPL) and is equipped with a closure seal or seals between the roof edge and the tank wall. VPL stored in each floating roof tank shall not have a vapor pressure of 86.19 kPa (12.5 psia) or greater at 294.3°K (70°F). The Permittee shall not cause or allow the emission of VOMs into the atmosphere from any gauging or sampling devices attached to each tank, except during sampling or maintenance operations.
- II. Pursuant to 35 IAC 219.122(b), each tank shall be equipped with a permanent submerged loading pipe.
- III. Pursuant to 35 IAC 219.123(b), no volatile petroleum liquid is allowed to be stored in the tanks, unless each tank is equipped and operated as follows:
  1. The tank is equipped with external floating roof specified in 35 IAC 219.121(b);
  2. There are no visible holes, tears or other defects in the seal or any seal fabric or material of any floating roof;
  3. All openings of any floating roof deck, except stub drains, are equipped with covers, lids or seals such that:
    - A. The cover, lid or seal is in the closed position at all times except when petroleum liquid is transferred to or from the tank;
    - B. Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports; and

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**Section 4 - Emission Unit Requirements**

**4.2 - External Floating Roof Storage Tank for Volatile Petroleum Liquids**

- C. Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting.
- IV. Pursuant to 35 IAC 219.124(a), no volatile petroleum liquid is allowed to be stored in the tanks, unless each tank is equipped and operated as follows:
- 1. Each tank has been fitted with a continuous secondary seal extending from the floating roof to the tank way (rim-mounted secondary seal);
  - 2. Each seal closure device meets the requirements listed in 35 IAC 219.124(a)(2);
    - A. The seal is intact and uniformly in place around the circumference of the floating roof between the floating roof and tank wall; and
    - B. The accumulated area of gaps exceeding 0.32 centimeter (0.125 inch) in width between the secondary seal and the tank wall shall not exceed 21.2 square centimeters per meter (1.0 square inch per foot) of tank diameter.
  - 3. Emergency roof drains are provided with slotted membrane fabric covers or equivalent covers across at least 90 percent of the area of the opening; and
  - 4. Openings are equipped with projections into the tank which remain below the liquid surface at all times.
- B. Requirements of 40 CFR 63 Subpart R:
- I. Pursuant to 40 CFR 60.112b(a)(2)(i)(A) and (a)(2)(i)(B) as referenced by 40 CFR 63.423(a), the tank shall be equipped with an external floating roof with a mechanical shoe primary seal and rim mounted secondary seal that completely covers the annular space between the external floating roof and the wall of the storage vessel
  - II. Pursuant to 40 CFR 60.113b(b)(4)(i)(A) and (b)(4)(i)(B) as referenced by 40 CFR 63.425(d), the secondary seal is to be installed above the primary seal so that it completely covers the space between the roof edge and the tank wall. There are to be no holes, tears, or other openings in the seal or seal fabric.
  - III. Pursuant to 40 CFR 60.113b(b)(4)(i)(A) and (b)(4)(ii)(B) as referenced by 40 CFR 63.425(d), the accumulated area of gaps between the tank wall and the mechanical shoe shall not exceed 212 cm<sup>2</sup> per meter of tank diameter, where the width of any portion of any gap shall not exceed 3.81 cm, and the accumulated area of gaps between the tank wall and the secondary seal shall not exceed 21.2 cm<sup>2</sup> per meter of tank diameter, where the width of any portion of any gap shall not exceed 1.27 cm.
  - IV. Pursuant to 40 CFR 60.112b(a)(2)(iii) as referenced by 40 CFR 63.423(a), The roof shall be floating at all times except when empty and resting on the leg supports. Emptying and refilling

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the tank when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible.

ii. Compliance Method (Work Practices and Control Requirements)

Monitoring

A. Requirements of 40 CFR 63 Subpart R:

- I. Pursuant to 40 CFR 60.113b(b)(1)(i), 60.113b(b)(1)(ii), and 60.113b(b)(1)(iii) as referenced by 40 CFR 63.425(d), the Permittee shall determine the gap areas and the maximum gap widths between the primary seal and the wall of the storage vessel, during hydrostatic testing or within 60 days of an initial fill with gasoline and every 5 years thereafter, and between the secondary seal and the wall of the storage vessel, within 60 days of an initial fill with gasoline and at least once per year thereafter. An initial fill is whenever the storage vessel is filled with gasoline after it has ceased storing gasoline for a period exceeding 1 year or more.
- II. Pursuant to 40 CFR 60.113b(b)(2)(i) as referenced by 40 CFR 63.425(d), The seal gaps shall be measured, at one or more floating levels when the roof is floating off of the leg supports, and the gap areas shall be calculated by the following procedures 40 CFR 60.113b(b)(2)(ii) and(iii):
  - A. Measure seal gaps around the entire circumference of the tank in each place where a 0.32-cm diameter uniform probe passes freely (without forcing or binding against seal) between the seal and the wall of the storage vessel and measure the circumferential distance of each such location.
  - B. The total surface area of each gap described above shall be determined by using probes of various widths to measure accurately the actual distance from the tank wall to the seal and multiplying each such width by its respective circumferential distance.
  - C. Pursuant to 40 CFR 60.113b(b)(3) as referenced by 40 CFR 63.425(d), the Permittee shall add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in Condition 4.3.2(a)(i)(B)(III).
- III. Pursuant to 40 CFR 60.113b(b)(4)(iii) as referenced by 40 CFR 63.425(d), the Permittee shall make necessary repairs or empty the storage tank within 45 days of identification in any inspection of seals not meeting the requirements of Condition 4.3.2(a)(i)(B). If repairs cannot be made or the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the IEPA in the inspection report required by 40 CFR 60.113b(b)(5) as referenced by 40 CFR 63.425(d). Such extension request must include a demonstration of unavailability of alternate storage capacity and a specification of a schedule that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

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- IV. Pursuant to 40 CFR 60.113b(b)(6)(i) as referenced by 40 CFR 63.425(d), the Permittee shall Visually inspect the external floating roof, the primary seal, secondary seal, and fittings each time the vessel is emptied and degassed. If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, the Permittee shall repair the items as necessary so that none of these exist before refilling the storage vessel with gasoline.
- B. 35 IAC 219.123(b):
- I. Pursuant to 35 IAC 219.123(b)(4), the Permittee shall conduct the routine inspections of floating roof seals once every six months.
- II. Pursuant to 35 IAC 219.123(b)(5), a complete inspection of the cover and seal of any floating roof tank is made whenever the tank is emptied for reasons other than the transfer of petroleum liquid during the normal operation of the tank, or whenever repairs are made as a result of any semi-annual inspection or incidence of roof damage or defect.
- C. Pursuant to 35 IAC 219.124(a):
- I. Pursuant to 35 IAC 219.124(a)(5), inspections shall be conducted prior to May 1 of each year to insure compliance with 35 IAC 219.124(a)(1-4).
- II. Pursuant to 35 IAC 219.124(a)(6), the secondary seal gap shall be measured prior to May 1 of each year and within 30 days of a written request to demonstrate compliance with 35 IAC 219.124(a)(2)(B).

Recordkeeping

- D. Pursuant to 40 CFR 60.115b(b)(3) as referenced by 40 CFR 63.428(d), the Permittee shall keep the following records of each inspection:
- I. Pursuant to 40 CFR 60.115b(b)(3) as referenced by 40 CFR 63.428(d), keep a record of each gap measurement performed as required by Condition 4.3.2(a)(ii)(A), each record shall identify the storage vessel in which the measurement was performed and shall contain:
- A. The date of measurement.
- B. The raw data obtained in the measurement.
- C. The calculations described in Condition 7.2.8(a)(ii).
- E. Pursuant to 40 CFR 60.116b(b) as referenced by 40 CFR 63.427(c), the Permittee shall keep the records of showing the dimensions and an analysis showing the capacity of each tank.
- F. Pursuant to 40 CFR 60.116b(c) as referenced by 40 CFR 63.427(c), for each tank, the Permittee shall maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.
- G. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the presence of the submerged loading pipe.

- H. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the following items for each storage tank at the source with a capacity of 40 m3 (approximately 10,500 gallons) or greater. These records shall be kept up to date for each tank at the source and be retained until the tank is removed from the source.
  - I. The date on which construction of the tank was commenced, with a copy of supporting documentation;
  - II. The date(s) on which modification or reconstruction, as defined in the NSPS, 40 CFR 60.14 and 60.15 respectively, were commenced on the tank, if applicable.
- I. Pursuant to 40 CFR 60.113(a), the Permittee shall maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.
- J. Pursuant to 35 IAC 219.123(b)(6), the Permittee shall keep the records of each inspection conducted under 35 IAC 219.123(b)(4) and (b)(5).
- K. Pursuant to 35 IAC 219.124(a)(7), the Permittee shall keep records of the types of volatile petroleum liquid stored, the maximum true vapor pressure of the liquid as stored, the results of the inspections, and the results of the secondary seal gap measurements.

### **3. Non-Applicability Determinations**

- a.
  - i. The tanks are not subject to the New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels), 40 CFR Part 60 Kb, because the tanks were not constructed, reconstructed, or modified after July 23, 1984.
  - ii. The tanks are not subject to the New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels), 40 CFR Part 60 Subpart Ka, because the tanks were not constructed, reconstructed, or modified after May 18, 1978.
  - iii. The tanks are not subject to the New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels), 40 CFR Part 60 Subpart K, because the tanks were not constructed, reconstructed, or modified after June 11, 1973.
- b. The tanks are not subject to 35 IAC 219.120(Control Requirements for Storage Containers or VOL)) pursuant to 35 IAC 218.119(e) because the tanks store petroleum liquids.
- c. The storage tanks are not subject to 35 IAC 219.301 because the storage tanks do not use organic material.
- d. The tanks are not subject to 35 IAC 219.127, 35 IAC 219.128, and 35 IAC 219.129 (Testing Monitoring, Recordkeeping and Reporting VOL operations) because each tank is not subject to 35 IAC 219.120.
- e. The tanks are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the tanks use passive control measures, such as seals, lids, or roofs, that are not considered control devices.

### **4. Operational Flexibility**

The Permittee is authorized to make the following physical or operational change with respect to a tank without prior notification to the Illinois EPA or revision of this permit. This

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condition does not affect the Permittee's obligation to properly obtain a construction permit in a timely manner for any activity constituting construction or modification of the source, as defined in 35 IAC 201.102.

- a. The Permittee is authorized to store materials with a vapor pressure less than 1.5 psia at 70°F, e.g., distillate fuel oils or blend stocks, diesel fuel, and jet kerosene, in any storage tank identified in Section 4.3. In such instances, 35 IAC 219.121.
- b. If any storage tank identified in this permit as storing VPL changes to storage of materials with a vapor pressure of less than 1.5 psia at 70°F, the Permittee shall maintain a record identifying the specific tank, the liquid stored in the tank, the date such tank switched to the storage of this liquid, and if applicable, the date such tank returned to storage of VPL.

## **5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

### **a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, in writing within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Condition 4.3.2(a)(i)(A & B).
  - B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.7(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.7(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

### **b. State Reporting**

- i. A. Pursuant to 35 IAC 219.127(a)(5), the Permittee shall promptly notify the IEPA, Air Compliance Section, in writing at least 30 days prior to the filling or refilling of each VOL storage vessel for which an inspection is required by 35 IAC 219.127 (a)(1) and (a)(4) to afford the IEPA the opportunity to have an observer present. If the inspection required by subsection 35 IAC 219.127(a)(4) is not planned and the Permittee could not have known about the inspection 30 days in advance of refilling the tank, the Permittee shall notify the Agency at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written

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documentation may be made in writing and sent by express mail so that it is received by the IEPA at least 7 days prior to the refilling.

- B. Pursuant to 35 IAC 219.129(a)(3), if any of the conditions described in 35 IAC 219.127(a)(2) are detected during the annual visual inspection required by Section 219.127(a)(2), the Permittee shall promptly report to the IEPA within 30 days after the inspection, the identity of the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made; and
- C. Pursuant to 35 IAC 219.129(a)(4), after each inspection required by 35 IAC 219.127(a)(3) where holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 35 IAC 219.127(a)(3)(B) are discovered, report to the IEPA within 30 days after the inspection the identity of the storage vessel and the reason it did not meet the specifications of 35 IAC 218.120(a)(1) or (2) or 35 IAC 219.127(a), and list each repair made.

**c. Federal Reporting**

- i. Pursuant to 40 CFR 60.115b, the Permittee must submit reports as specified in 40 CFR 63.115b as referenced by 40 CFR 63.428(d). Pursuant to 40 CFR 60.115b(a)(4), the Permittee shall include in a semiannual compliance report required by Condition 3.7(b), the following information:
  - A. Pursuant to 40 CFR 60.113b(b)(5) as referenced by 40 CFR 63.425(d), the Permittee shall notify the IEPA 30 days in advance of any gap measurements required by Condition 7.2.8(a)(i) to afford the Illinois EPA the opportunity to have an observer present.
  - B. Pursuant to 40 CFR 60.113b(b)(6)(ii) as referenced by 40 CFR 63.425(d), for all the inspections required by 40 CFR 60.113b(b)(6)(i), the Permittee shall notify the Illinois EPA in writing at least 30 days prior to the filling or refilling of each storage vessel to afford the Illinois EPA the opportunity to inspect the storage vessel prior to refilling. If the inspection required by 40 CFR 60.113b(b)(6)(i) is not planned and the Permittee could not have known about the inspection 30 days in advance of refilling the tank, the Permittee shall notify the Illinois at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Illinois EPA at least 7 days prior to the refilling.
  - C. Pursuant to 40 CFR 60.115b(b)(2) as referenced by 40 CFR 63.428(d), within 60 days of performing the seal gap measurements required by Condition 40 CFR 60.113b(b), furnish the Illinois EPA with a report that contains:
    - i. The date of measurement;
    - ii. The raw data obtained in the measurement; and
    - iii. The calculations described in 40 CFR 60.113b(b)(2) and (3).
  - D. Pursuant to 40 CFR 60.115b(b)(4) as referenced by 40 CFR 63.428(d), after each seal gap measurement that detects gaps exceeding the limitations specified by Condition 7.2.7(a)(iii), submit a report to the Illinois EPA within 30 days of the inspection. The report will identify the vessel and contain the information specified in 40 CFR 60.113b(b)(4) and the date the vessel was emptied or the repairs made and date of repair.

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- E. Pursuant to 40 CFR 63.428(g)(2), include in a semiannual report the periodic reports of 40 CFR 60.115b(b)(2) and (4).

### 4.3 Storage Tanks (NSPS Tanks)

#### 1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
3,895,962 Gallons Internal Floating Roof (Tank #423)	VOM, HAP	07/2002	N/A	Internal floating roof, liquid mounted metallic shoe primary seal, and a permanent submerged loading pipe.	None
3,896,886 Gallons Internal Floating Roof (Tank #424)	VOM, HAP	07/2002	N/A	Internal floating roof, liquid mounted metallic shoe primary seal, and a permanent submerged loading pipe.	None
3,907,008 Gallons Internal Floating Roof (Tank #432)	VOM, HAP	07/2002	N/A	Internal floating roof, liquid mounted metallic shoe primary seal, and a permanent submerged loading pipe.	None
3,908,268 Gallons Internal Floating Roof (Tank #433)	VOM, HAP	07/2002	N/A	Internal floating roof, liquid mounted metallic shoe primary seal, and a permanent submerged loading pipe.	None
4,105,920 Gallons Vertical Fixed Roof (Tank 462) Diesel Service Only	VOM, HAP	2003	N/A	Submerged Loading pipe Non-gasoline	None

#### 2. Applicable Requirements

For the emission units in Condition 4.3.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

##### a. i. Volatile Organic Material Requirements (VOM)

- A. Pursuant to Construction Permit #02030032, VOM emissions from storage material (including landing losses) shall not exceed the following limits. [T1].

<u>Service</u>	<u>(Tons/Month)</u>	<u>VOM Emissions (Tons/Year)</u>
Gasoline	4.08	32.57
Distillate Fuels	0.24	1.87
Fugitive Emissions		0.03
Loading/Unloading of Neoprene Spheres		0.29
Total:		34.76

- B. Pursuant to Construction Permit #02030032, emissions of VOM from the existing oil water separator associated with the operation of the five tanks shall not exceed 0.21 tons/month and 1.64 tons/year.



ii. Compliance Method (VOM Requirements)

Monitoring

- A. Pursuant to Section 39.5(7)(a) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

Recordkeeping

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records as follows:
- I. Materials stored in each tank.
  - II. VOM emissions from each tank with supporting documentation (tons/year).
  - III. Tank landing losses with supporting calculations (tons/month and tons/year); and
  - IV. Excluding landing losses, VOM emissions from each storage tank (tons/month and tons/year).

b. i. Work Practices and Control Requirements

A. Requirements of 40 CFR 60 Subpart Kb

Pursuant to 40 CFR 60.112b(a)(1)(i), each internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage tank is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

- I. Pursuant to 40 CFR 60.112b(a)(1)(ii), each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage tank and the edge of the internal floating roof:
  - 1. A foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal).
  - 2. Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
  - 3. A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
- II. Pursuant to 40 CFR 60.112b(a)(1)(iii), each opening in a non-contact internal floating roof, except for automatic bleeder vents (vacuum breaker vents) and the rim space vents, shall provide a projection below the liquid surface.

- III. Pursuant to 40 CFR 60.112b(a)(1)(iv), each opening in the internal floating roof, except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains, shall be equipped with a cover or lid which is maintained in a closed position at all times (i.e., no visible gaps) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
- IV. Pursuant to 40 CFR 60.112b(a)(1)(v), automatic bleeder vents shall be equipped with a gasket and be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
- V. Pursuant to 40 CFR 60.112b(a)(1)(vi), rim space vents shall be equipped with a gasket and be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
- VI. Pursuant to 40 CFR 60.112b(a)(1)(vii), each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
- VII. Pursuant to 40 CFR 60.112b(a)(1)(viii), each penetration of the internal floating roof that allows for the passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
- VIII. Pursuant to 40 CFR 60.112b(a)(1)(ix), each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.
- IX. Pursuant to 40 CFR 60.113b(a)(2) and (a)(3)(ii), a tank that is in-service shall be repaired or emptied upon identification in an inspection that the floating roof is not resting on the surface of the VOL, there is liquid accumulated on the roof, the seal is detached, or there are holes or tears in the seal fabric. These actions shall be completed within 45 days of the inspection unless an extension is granted.
- X. Pursuant to 40 CFR 60.113b(a)(3)(ii) and (a)(4), a tank that is empty shall be repaired prior to refilling the tank upon identification in an inspection that the floating roof has defects, the primary seal has holes, tears or other openings in the seal or seal fabric, or the secondary seal has holes, tears or other openings in the seal or seal fabric, or the gaskets no longer close off.

**B. Requirements of 35 IAC Part 219 Subpart B:**

- I. Pursuant to 35 IAC 219.120(a), the tanks in VOL service shall be equipped with an internal floating roof that meets the specifications contained in 35 IAC 218.120(a)(1)(A) through (H).
- II. Pursuant to 35 IAC 219.121(b)(1), the tanks in VPL service shall be equipped with a floating roof which rests on the surface of the volatile petroleum liquid (VPL) and is equipped with a closure seal or seals between the roof edge and the tank wall. VPL stored in each floating roof tank shall not have a vapor pressure of 86.19 kPa (12.5 psia) or greater at 294.3°K (70°F). The Permittee shall not cause or

allow the emission of VOMs into the atmosphere from any gauging or sampling devices attached to each tank, except during sampling or maintenance operations.

- III. Pursuant to 35 IAC 219.122(b), each tank shall be equipped with a permanent submerged loading pipe.

ii. Compliance Method (Work Practices and Control Requirements)

Monitoring

A. Monitoring of True Vapor Pressure 40 CFR 60.116b(e)

- I. Pursuant to 40 CFR 60.116b(e)(1), for vessels operated at ambient temperatures, the maximum true vapor pressure can be calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.

B. Inspections of VOL Operations [40 CFR 60.113b(a)]

I. The Permittee shall perform the following:

1. 40 CFR 60.113b(a)(1):

Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage tank with volatile organic liquid. All holes, tears, openings, or defects of the roof components shall be repaired before filling the storage tank.

2. 40 CFR 60.113b(a)(2):

For storage tanks equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal at least once every 12 months after initial fill.

3. 40 CFR 60.113b(a)(3):

For storage tanks equipped with a double-seal system, visual inspections shall be conducted at least every 5 years or every 12 months after initial fill.

4. 40 CFR 60.113b(a)(4):

Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. Prior to filling the storage tank with volatile organic liquid, all holes, tears, openings, or defects of the roof components shall be repaired before refilling the storage tank.

C. 35 IAC 219.123(b):

- I. Pursuant to 35 IAC 219.123(b)(4), the Permittee shall conduct routine inspections of the floating roof seals of each VPL tank through roof hatches once every six months.

- II. Pursuant to 35 IAC 219.123(b)(5), a complete inspection of the cover and seal of any floating roof VPL tank is made whenever the tank is

emptied for reasons other than the transfer of petroleum liquid during the normal operation of the tank, or whenever repairs are made as a result of any semi-annual inspection or incidence of roof damage or defect.

- III. Pursuant to 35 IAC 219.127(a)(2), the Permittee shall conduct routine inspections of the VOL tank floating roof seals through roof hatches once every 12 months and comply with the requirements specified in 35 IAC 219.127(a)(2) through (4).

Recordkeeping

- D. I. Pursuant to 40 CFR 60.115b, the owner or operator of each storage vessel shall keep records and furnish reports as required by 40 CFR 60.115b(a).
- II. Pursuant to 40 CFR 60.116b, the Permittee shall maintain records of the Monitoring of Operations as required by 40 CFR 60.116b(a) through (f).
- E. Pursuant to Section 39.5(7)(b), the Permittee shall keep the following records:
- I. Tank dimensions and capacity.
- II. Inspection results with the following data:
1. Identification of the storage tank that was inspected;
  2. The date of inspection;
  3. A description of all inspection failures;
  4. A description of all repairs and the dates they were made;
  5. The date the storage vessel was removed from service, if applicable.
- F. Pursuant to 35 IAC 219.123(b)(6), the Permittee shall keep the records of each VPL tank inspection conducted under 35 IAC 219.123(b)(4) and (b)(5).
- G. Pursuant to 35 IAC 219.129(a)(2), the Permittee shall keep records of each VOL tank inspection conducted under 35 IAC 219.127(a)(2), (a)(3) and (a)(4).

**c. i. Operational and Production Requirements**

- A. Pursuant to Construction Permit #02030032, throughput of tanks shall not exceed the following limits: [T1]

<u>Service</u>	<u>Throughput</u>	
	<u>(MM Gallons/Month)</u>	<u>(MM Gallons/Year)</u>
Gasoline/Transmix	128.50	1,028.16
Fuel Oil (Diesel, Jet Fuel)	32.13	257.04

Note: MM = million.

- B. Pursuant to Construction Permit #02030032, the tank T462 is allowed to store only distillate fuels and T-423, T-424 and T-432 are allowed to store gasoline only.

- C. Pursuant to Construction Permit #02030032, the five new tanks shall be equipped with sloped or cone bottoms.
  - D. Pursuant to Construction Permit #02030032, the total number of turnovers for storage tanks T-423, T-424, T-432, and T-433 shall not exceed 288 per year. The number of turnovers for tank T-462 shall not exceed 72 per year
- ii. Compliance Method (Operational and Production Requirements)

Monitoring

- A. Pursuant to Permit #02030032, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Permit #02030032, the Permittee shall keep the following records:
  - I. Throughput for each type of product through each storage tank (MM gallons/month and MM gallons/year);
  - II. Number of turnovers per tank per month;
- C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the presence of the submerged loading pipe.

**3. Non-Applicability Determinations**

- a. The tanks are not subject to 35 IAC 219.123(b) because the tanks are subject to New Source Performance Standards for storage vessels of petroleum liquid (40 CFR 60 Subpart Kb) pursuant to 35 IAC 219.123(a)(5).
- b. The storage tanks are not subject to 35 IAC 218.301 because the storage tanks do not use organic material as defined in 35 IAC 211.4250(b).
- c. The tanks are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the tanks use passive control measures, such as seals, lids, or roofs, that are not considered control devices.

**4. Operational Flexibility/Anticipated Operating Scenarios**

The Permittee is authorized to make the following physical or operational change with respect to a tank without prior notification to the Illinois EPA or revision of this permit. This condition does not affect the Permittee's obligation to properly obtain a construction permit in a timely manner for any activity constituting construction or modification of the source, as defined in 35 IAC 201.102.

- a. Changes in the material stored with a vapor pressure less than 3.5 kPa (0.5 psia) at 70°F, e.g., distillate fuel oils or blend stocks, diesel fuel, and jet kerosene, in the storage tanks identified in this section. In such instances, the unit specific conditions in Section 4.4 of this permit, applicable to such tank based on the storage of VOL or VPL, shall not apply.
  - i. If any storage tank identified in this section changes to storage of materials with a vapor pressure of less than 3.5 kPa (0.5 psia) at 70°F, the Permittee shall maintain a record identifying the specific tank, the liquid stored in the tank, the date such tank switched to the storage of this liquid, and if applicable, the date such tank returned to storage of VOL or VPL.

- ii. Upon resuming storage of VOL or VPL, the applicable unit specific conditions of Section 4.3 of this permit shall again apply. Pursuant to 40 CFR 60.113b(a)(4), prior to returning such a tank to storage of VOL (or VPL), the Permittee shall conduct appropriate inspection(s) of the tank.
- b. Change the service between the tanks in Section 4.4 of the permit. Pursuant to Condition 4.3(a)(ii)(B)(I), maintain records of the material stored in each tank so that the applicable unit specific conditions of Section 4.4 of this permit (for VOL or VPL storage) can be determined.

## **5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

### **a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Condition 4.3.2(a)(i), 4.3.2(b)(i), and 4.3.2(c)(i)
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.7(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.7(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

### **b. State Reporting**

- i. A. Pursuant to 35 IAC 219.127(a)(5), the Permittee shall promptly notify the IEPA, Air Compliance Section, in writing at least 30 days prior to the filling or refilling of each VOL storage vessel for which an inspection is required by 35 IAC 219.127 (a)(1) and (a)(4) to afford the IEPA the opportunity to have an observer present. If the inspection required by subsection 35 IAC 219.127(a)(4) is not planned and the Permittee could not have known about the inspection 30 days in advance of refilling the tank, the Permittee shall notify the Agency at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the IEPA at least 7 days prior to the refilling.

- B. Pursuant to 35 IAC 219.129(a)(3), if any of the conditions described in 35 IAC 219.127(a)(2) are detected during the annual visual inspection required by Section 219.127(a)(2), the Permittee shall promptly report to the IEPA within 30 days after the inspection, the identity of the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made; and
- C. Pursuant to 35 IAC 219.129(a)(4), after each inspection required by 35 IAC 219.127(a)(3) where holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 35 IAC 219.127(a)(3)(B) are discovered, report to the IEPA within 30 days after the inspection the identity of the storage vessel and the reason it did not meet the specifications of 35 IAC 218.120(a)(1) or (2) or 35 IAC 219.127(a), and list each repair made.

**c. Federal Reporting**

- i. Pursuant to 40 CFR 60.115b(a)(3), the Permittee shall submit a report identifying any deficiencies or shortcomings identified in the Annual Inspection to Illinois EPA within 30 days of inspection. This report shall identify the storage tank, the nature of the defects, and the date the storage vessel was emptied or the nature of and the date the repair was made.
- ii. Pursuant to 40 CFR 60.113b(a)(5), the Permittee shall provide notification at least 30 days prior to refilling a tank for which an Out-of-Service inspection is required to afford the Illinois EPA with an opportunity to have an observer present.

If the inspection is not planned and the owner or operator of the tank could not have known about refilling the tank 30 days in advance, a shorter notification may be accepted as provided for in 40 CFR 60.113b(a)(5).

- iii. Pursuant to 40 CFR 60.115b(a)(4), the Permittee shall submit a report identifying any deficiencies or shortcomings identified in the Out-of-Service Inspection within 30 days of the inspection. This report shall identify the storage tank on which the inspection was performed and shall contain the date the tank was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).

#### 4.4 Vertical Fixed Roof Storage Tanks

##### 1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
2,218,020 Gallons Vertical Fixed Roof (Tank 452)	VOM, HAP	1974	N/A	Submerged Loading pipe	None
2,217,558 Gallons Vertical Fixed Roof (Tank 461A)	VOM, HAP	2008	N/A	Submerged Loading pipe	None
7,569,408 Gallons Vertical Fixed Roof (Tank 471)	VOM, HAP	1974	N/A	Submerged Loading pipe	None
2,217,516 Gallons Vertical Fixed Roof (Tank 472)	VOM, HAP	1974	N/A	Submerged Loading pipe	None
2,217,810 Gallons Vertical Fixed Roof (Tank 473)	VOM, HAP	1974	N/A	Submerged Loading pipe	None

##### 2. Applicable Requirements

For the emission units in Condition 4.4.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

###### a. i. Work Practices and Control Requirements

Requirements of 35 IAC Part 219 Subpart B:

A. Pursuant to 35 IAC 219.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 250 gallons, unless such tank is equipped with a permanent submerged loading pipe or an equivalent device approved by the Illinois EPA according to the provisions of 35 IAC 201, and further processed consistent with 35 IAC 219.108.

###### ii. Compliance Method (Work Practice Requirements)

###### Monitoring

A. Pursuant to 39.5(7)(a) of the Act, routine inspections shall be conducted once every six months.

###### Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of each inspection performed along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections, operation and maintenance procedures, and a description of any maintenance and repair activities that resulted in a modification or reconstruction of the piece of equipment.

C. Pursuant to 35 IAC 219.129(f), the Permittee of each storage vessel specified in 35 IAC 219.119 shall maintain readily accessible records of the dimension of the storage vessel and an analysis of the capacity of the storage vessel.



b. i. Operational and Production Requirements

A. Pursuant to Section 39.5(7)(a) of the Act, the tank is allowed to store only VOL material with a maximum true vapor less than 0.5 psia.

ii. Compliance Method (Operational and Production Requirements)

Recordkeeping

A. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the type of materials stored, and the maximum true vapor pressure(psia) in each tank.

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the presence of the submerged loading pipe.

**3. Non-Applicability Determinations**

- a. The tanks are not subject to the New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels), 40 CFR Part 60 Subpart K, Ka, and Kb because the tanks do not storage petroleum liquids as specified in 40 CFR 60.112.
- b. Pursuant to 35 IAC 219.119(a), the control requirements of 35 IAC 219.120 are not applicable to the tanks that only storage VOL with a maximum true vapor pressure of less than 0.5 psia.
- c. The tanks are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the tanks use passive control measures, that are not considered control devices.

**4. Other Requirements**

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

**5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, in writing within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Condition 4.4.2(a)(i) and 4.4.2(b)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.7(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.7(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.

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- B. Emission unit(s) and/or operation involved.
- C. The duration of the event.
- D. Probable cause of the deviation.
- E. Corrective actions or preventative measures taken.

## Section 5 - Additional Title I Requirements

This Section is reserved for Title I requirements not specified in Sections 3 or 4. As of the date of issuance of this permit, there are no Title I requirements that need to be separately addressed in this Section.

## Section 6 - Insignificant Activities Requirements

### 1. Insignificant Activities Subject to Specific Regulations

Pursuant to 35 IAC 201.210 and 201.211, the following activities at the source constitute insignificant activities. Pursuant to Sections 9.1(d) and 39.5(6)(a) of the Act, the insignificant activities are subject to specific standards promulgated pursuant to Sections 111, 112, 165, or 173 of the Clean Air Act. The Permittee shall comply with the following applicable requirements:

<i>Insignificant Activity</i>	<i>Number of Units</i>	<i>Insignificant Activity Category</i>
Gas turbines and stationary reciprocating internal combustion engines < 112 kW (150 HP).	2	35 IAC 201.210(a)(15)

#### a. Applicable Requirements

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements in addition to the applicable requirements in Condition 6.4:

#### i. New Source Performance Standard Requirements (NSPS)

- A. Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60 Subpart IIII)
  - I. The engines shall meet the applicable emission limitations requirements of 40 CFR 60.4219.
  - II. The engines shall meet the applicable general provisions of 40 CFR 60.4218 and Subpart A.
  - III. The engines shall meet the applicable monitoring requirements in 40 CFR 60.4209.
  - IV. The engines shall meet the applicable compliance demonstration requirements in 40 CFR 60.4210.
  - V. The engines shall meet the applicable performance testing as necessary in 40 CFR 60.4212.
  - VI. The engines shall meet the applicable recordkeeping requirements and reporting in 40 CFR 4214.

#### ii. National Emission Standards for Hazardous Air Pollutants (NESHAP)

- A. Standards of Performance for Stationary Reciprocating Internal Combustion Engines (40 CFR 63 Subpart ZZZZ)
  - I. The engines shall meet the applicable emission limitations requirements of 40 CFR 63.6600.
  - II. The engines shall meet the applicable monitoring, installation, collection, operation, and maintenance requirements in 40 CFR 63.6625(i).
  - III. The engines shall meet the applicable compliance demonstration requirements in 40 CFR 6640(f).
  - IV. The engines shall meet the applicable record keeping requirements in 40 CFR 63.6655(f).

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**2. Insignificant Activities in 35 IAC 201.210(a)**

In addition to any insignificant activities identified in Condition 6.1, the following additional activities at the source constitute insignificant activities pursuant to 35 IAC 201.210 and 201.211:

<i>Insignificant Activity</i>	<i>Number of Units</i>	<i>Insignificant Activity Category</i>
Storage tanks of virgin or refined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oil.	1	35 IAC 201.210(a)(11)

**3. Insignificant Activities in 35 IAC 201.210(b)**

Pursuant to 35 IAC 201.210, the source has identified insignificant activities as listed in 35 IAC 201.210(b)(1) through (28) as being present at the source. The source is not required to individually list the activities.

**4. Applicable Requirements**

Insignificant activities in Conditions 6.1 and 6.2 are subject to the following general regulatory limits notwithstanding status as insignificant activities. The Permittee shall comply with the following requirements, as applicable:

- a. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b).
- b. Pursuant to 35 IAC 212.321 or 212.322 (see Conditions 7.2(a) and (b)), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units at a source or premises, exceed the allowable emission rates specified 35 IAC 212.321 or 212.322 and 35 IAC Part 266.
- c. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2,000 ppm, except as provided in 35 IAC Part 214.
- d. Pursuant to 35 IAC 219.301, no person shall cause or allow the discharge of more than 8 lbs/hr of organic material into the atmosphere from any emission source, except as provided in 35 IAC 219.302, 219.303, 219.304 and the following exception: If no odor nuisance exists the limitation of 35 IAC 215 Subpart K shall apply only to photochemically reactive material.
- e. Pursuant to 35 IAC 219.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 250 gal, unless such tank is equipped with a permanent submerged loading pipe, submerged fill, or an equivalent device approved by the IEPA according to 35 IAC Part 201 or unless such tank is a pressure tank as described in 35 IAC 215.121(a) or is fitted with a recovery system as described in 35 IAC 215.121(b)(2). Exception as provided in 35 IAC 219.122(c): If no odor nuisance exists the limitations of 35 IAC 215.122 shall only apply to the loading of volatile organic liquid with a vapor pressure of 2.5 psia or greater at 70°F.
- f. Pursuant to 35 IAC 219.182, for each cold cleaning degreaser, the Permittee shall comply with the applicable equipment and operating requirements of 35 IAC 219.182, except as provided in 35 IAC 219.181.

## 5. Compliance Method

Pursuant to Section 39.5(7)(b) of the Act, the source shall maintain records of the following items for the insignificant activities in Conditions 6.1 and 6.2:

- a. List of all insignificant activities, including insignificant activities added as specified in Condition 6.6, the categories the insignificant activities fall under, and supporting calculations as needed for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).
- b. Potential to emit emission calculations before any air pollution control device for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).

## 6. Notification Requirements for Insignificant Activities

The source shall notify the IEPA accordingly to the addition of insignificant activities:

### a. Notification 7 Days in Advance

- i. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(1) and 201.211 and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 3. The notification shall include the following pursuant to 35 IAC 201.211(b):
  - A. A description of the emission unit including the function and expected operating schedule of the unit.
  - B. A description of any air pollution control equipment or control measures associated with the emission unit.
  - C. The emissions of regulated air pollutants in lb/hr and ton/yr.
  - D. The means by which emissions were determined or estimated.
  - E. The estimated number of such emission units at the source.
  - F. Other information upon which the applicant relies to support treatment of such emission unit as an insignificant activity.
- ii. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(2) through 201.210(a)(18) and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 3.
- iii. Pursuant to Sections 39.5(12)(a)(i)(b) and 39.5(12)(b)(iii) of the Act, the permit shield described in Section 39.5(7)(j) of the Act (see Condition 2.7) shall not apply to any addition of an insignificant activity noted above.

### b. Notification Required at Renewal

Pursuant to 35 IAC 201.212(a) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a) and is currently identified in Conditions 6.1 or 6.2, a notification is not required until the renewal of this permit.

c. **Notification Not Required**

Pursuant to 35 IAC 201.212(c) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(b) as describe in Condition 6.3, a notification is not required.

## Section 7 - Other Requirements

### 1. Testing

- a. Pursuant to Section 39.5(7)(a) of the Act, a written test protocol shall be submitted at least sixty (60) days prior to the actual date of testing, unless it is required otherwise in applicable state or federal statutes. The IEPA may at the discretion of the Compliance Section Manager (or designee) accept protocol less than 60 days prior to testing provided it does not interfere with the IEPA's ability to review and comment on the protocol and does not deviate from the applicable state or federal statutes. The protocol shall be submitted to the IEPA, Compliance Section and IEPA, Stack Test Specialist for its review. Addresses are included in Attachment 3. This protocol shall describe the specific procedures for testing, including as a minimum:
  - i. The name and identification of the emission unit(s) being tested.
  - ii. Purpose of the test, i.e., permit condition requirement, IEPA or USEPA requesting test.
  - iii. The person(s) who will be performing sampling and analysis and their experience with similar tests.
  - iv. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the emission unit and any control equipment will be determined.
  - v. The specific determinations of emissions and operation which are intended to be made, including sampling and monitoring locations.
  - vi. The test method(s) that will be used, with the specific analysis method, if the method can be used with different analysis methods. Include if emission tests averaging of 35 IAC 283 will be used.
  - vii. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
  - viii. Any proposed use of an alternative test method, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
  - ix. Sampling of materials, QA/QC procedures, inspections, etc.
- b. The IEPA, Compliance Section shall be notified prior to these tests to enable the IEPA to observe these tests pursuant to Section 39.5(7)(a) of the Act as follows:
  - i. Notification of the expected date of testing shall be submitted in writing a minimum of thirty (30) days prior to the expected test date, unless it is required otherwise in applicable state or federal statutes.
  - ii. Notification of the actual date and expected time of testing shall be submitted in writing a minimum of five (5) working days prior to the actual date of the test. The IEPA may at its discretion of the Compliance Section Manager (or designee) accept notifications with shorter advance notice provided such notifications will not interfere with the IEPA's ability to observe testing.
- c. Copies of the Final Report(s) for these tests shall be submitted to the IEPA, Compliance Section within fourteen (14) days after the test results are compiled and finalized but



no later than ninety (90) days after completion of the test, unless it is required otherwise in applicable state or federal statutes or the IEPA may at the discretion of the Compliance Section Manager (or designee) an alternative date is agreed upon in advance pursuant to Section 39.5(7)(a) of the Act. The Final Report shall include as a minimum:

- i. General information including emission unit(s) tested.
  - ii. A summary of results.
  - iii. Discussion of conditions during each test run (malfunction/breakdown, startup/shutdown, abnormal processing, etc.).
  - iv. Description of test method(s), including description of sampling points, sampling train, analysis equipment, and test schedule.
  - v. Detailed description of test conditions, including:
    - A. Process information, i.e., mode(s) of operation, process rate, e.g. fuel or raw material consumption.
    - B. Control equipment information, i.e., equipment condition and operating parameters during testing.
    - C. A discussion of any preparatory actions taken, i.e., inspections, maintenance and repair.
  - vi. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.
  - vii. An explanation of any discrepancies among individual tests or anomalous data.
  - viii. Results of the sampling of materials, QA/QC procedures, inspections, etc.
  - ix. Discussion of whether protocol was followed and description of any changes to the protocol if any occurred.
  - x. Demonstration of compliance showing whether test results are in compliance with applicable state or federal statutes.
- d. Copies of all test reports and other test related documentation shall be kept on site as required by Condition 2.5(b) pursuant to Section 39.5(7)(e)(ii) of the Act.

**2. 40 CFR 63 Subpart A Requirements (NESHAP)**

**a. 40 CFR 63 Subpart A and Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**

Pursuant to 40 CFR 63 Subpart A and Subpart R, the Permittee shall comply with the following applicable General Provisions as indicated:

<i>General Provision Citation</i>	<i>General Provision Applicable?</i>	<i>Subject of Citation</i>
40 CFR 63.1	Yes	General Applicability of the General Provisions
40 CFR 63.1(a)(1)	Yes	
40 CFR 63.1(a)(2)	Yes	
40 CFR 63.1(a)(3)	Yes	
40 CFR 63.1(a)(4)	Yes	
40 CFR 63.1(a)(5)	No	Section reserved
40 CFR 63.1(a)(6)(8)	Yes	
40 CFR 63.1(a)(9)	No	Section reserved
40 CFR 63.1(a)(10)	Yes	
40 CFR 63.1(a)(11)	Yes	
40 CFR 63.1(a)(12)-(a)(14)	Yes	
40 CFR 63.1(b)(1)	No	Subpart R specifies applicability in §63.420
40 CFR 63.1(b)(2)	Yes	
40 CFR 63.1(b)(3)	No	Subpart R specifies reporting and recordkeeping for some large area sources in §63.428
40 CFR 63.1(c)(1)		
40 CFR 63.1(c)(2)		
40 CFR 63.1(c)(3)		
40 CFR 63.1(c)(4)	Yes	
40 CFR 63.1(c)(5)	Yes	
40 CFR 63.1(d)	No	Section reserved
40 CFR 63.1(e)	Yes	
40 CFR 63.1(c)(4)	Yes	
40 CFR 63.1(c)(5)	Yes	
40 CFR 63.1(d)	No	Section reserved
40 CFR 63.1(e)	Yes	
40 CFR 63.2	Yes	Additional definitions in 40 CFR 63.421

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**Section 7 - Other Requirements**  
**7.2 - 40 CFR 63 Subpart A**  
**Requirements (NESHAP)**

<i>General Provision Citation</i>	<i>General Provision Applicable?</i>	<i>Subject of Citation</i>
40 CFR 63.3(a)-(c)	Yes	
40 CFR 63.4(a)(1)-(a)(3)	Yes	
40 CFR 63.4(a)(4)	No	Section reserved
40 CFR 63.4(a)(5)	Yes	
40 CFR 63.4(b)	Yes	
40 CFR 63.4(c)	Yes	
40 CFR 63.5(a)(1)	Yes	
40 CFR 63.5(a)(2)	Yes	
40 CFR 63.5(b)(1)	Yes	
40 CFR 63.5(b)(2)	No	Section reserved
40 CFR 63.5(b)(3)	Yes	
40 CFR 63.5(b)(4)	Yes	
40 CFR 63.5(b)(5)	Yes	
40 CFR 63.5(b)(6)	Yes	
40 CFR 63.5(c)	No	Section reserved
40 CFR 63.5(d)(1)	Yes	
40 CFR 63.5(d)(2)	Yes	
40 CFR 63.5(d)(3)	Yes	
40 CFR 63.5(d)(4)	Yes	
40 CFR 63.5(e)	Yes	
40 CFR 63.5(f)(1)	Yes	
40 CFR 63.5(f)(2)	Yes	
40 CFR 63.6(a)	Yes	
40 CFR 63.6(b)(1)	Yes	
40 CFR 63.6(b)(2)	Yes	
40 CFR 63.6(b)(3)	Yes	
40 CFR 63.6(b)(4)	Yes	
40 CFR 63.6(b)(5)	Yes	
40 CFR 63.6(b)(6)	No	Section reserved

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**Section 7 - Other Requirements**  
**7.2 - 40 CFR 63 Subpart A**  
**Requirements (NESHAP)**

<i>General Provision Citation</i>	<i>General Provision Applicable?</i>	<i>Subject of Citation</i>
40 CFR 63.6(b) (7)	Yes	
40 CFR 63.6(c) (1)	No	Subpart R specifies the compliance date
40 CFR 63.6(c) (2)	Yes	
40 CFR 63.6(c) (3)-(c) (4)	No	Sections reserved
40 CFR 63.6(c) (5)	Yes	
40 CFR 63.6(d)	No	Section reserved
40 CFR 63.6(e)	Yes	
40 CFR 63.6(f) (1)	Yes	
40 CFR 63.6(f) (2)	Yes	
40 CFR 63.6(f) (3)	Yes	
40 CFR 63.6(g)	Yes	
40 CFR 63.6(h)	No	Subpart R does not require COMS
40 CFR 63.6(i) (1)-(i) (14)	Yes	
40 CFR 63.6(i) (15)	No	Section reserved
40 CFR 63.6(i) (16)	Yes	
40 CFR 63.6(j)	Yes	
40 CFR 63.7(a) (1)	Yes	
40 CFR 63.7(a) (2)	Yes	
40 CFR 63.7(a) (3)	Yes	
40 CFR 63.7(b)	Yes	
40 CFR 63.7(c)	Yes	
40 CFR 63.7(d)	Yes	
40 CFR 63.7(e) (1)	Yes	
40 CFR 63.7(e) (2)	Yes	
40 CFR 63.7(e) (3)	Yes	
40 CFR 63.7(e) (4)	Yes	
40 CFR 63.7(f)	Yes	
40 CFR 63.7(g)	Yes	
40 CFR 63.7(h)	Yes	

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**Section 7 - Other Requirements**  
**7.2 - 40 CFR 63 Subpart A**  
**Requirements (NESHAP)**

<i>General Provision Citation</i>	<i>General Provision Applicable?</i>	<i>Subject of Citation</i>
40 CFR 63.8(a) (1)	Yes	
40 CFR 63.8(a) (2)	Yes	
40 CFR 63.8(a) (3)	No	Section reserved
40 CFR 63.8(a) (4)	Yes	
40 CFR 63.8(b) (1)	Yes	
40 CFR 63.8(b) (2)	Yes	
40 CFR 63.8(b) (3)	Yes	
40 CFR 63.8(c) (1)	Yes	
40 CFR 63.8(c) (2)	Yes	
40 CFR 63.8(c) (3)	Yes	
40 CFR 63.8(c) (4)	Yes	
40 CFR 63.8(c) (5)	No	Subpart R does not require COMS
40 CFR 63.8(c) (6)-(c) (8)	Yes	
40 CFR 63.8(d)	Yes	
40 CFR 63.8(e)	Yes	
40 CFR 63.8(f) (1)-(f) (5)	Yes	
40 CFR 63.8(f) (6)	Yes	
40 CFR 63.8(g)	Yes	
40 CFR 63.9(a)	Yes	
40 CFR 63.9(b) (1)	Yes	
40 CFR 63.9(b) (2)	No	Subpart R allows additional time for existing sources to submit initial notification. Sec. 40 CFR 63.428(a) specifies submittal by 1 year after being subject to the rule or December 16, 1996, whichever is later.
40 CFR 63.9(b) (3)	Yes	
40 CFR 63.9(b) (4)	Yes	
40 CFR 63.9(b) (5)	Yes	
40 CFR 63.9(c)	Yes	
40 CFR 63.9(d)	Yes	
40 CFR 63.9(e)	Yes	

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40 CFR 63.9(f)	Yes	
40 CFR 63.9(g)	Yes	
40 CFR 63.9(h)(1)-(h)(3)	Yes	
40 CFR 63.9(h)(4)	No	Section reserved
40 CFR 63.9(h)(5)-(h)(6)	Yes	
40 CFR 63.9(i)	Yes	
40 CFR 63.9(j)	Yes	
40 CFR 63.10(a)	Yes	
40 CFR 63.10(b)(1)	Yes	
40 CFR 63.10(b)(2)	Yes	
40 CFR 63.10(b)(3)	Yes	
40 CFR 63.10(c)(1)	Yes	
40 CFR 63.10(c)(2)-(c)(4)	No	Sections reserved
40 CFR 63.10(c)(5)-(c)(8)	Yes	
40 CFR 63.10(c)(9)	No	Section reserved
40 CFR 63.10(c)(5)-(c)(8)	Yes	
40 CFR 63.10(d)(1)	Yes	
40 CFR 63.10(d)(2)	Yes	
40 CFR 63.10(d)(3)	Yes	
40 CFR 63.10(d)(4)	Yes	
40 CFR 63.10(d)(5)	Yes	
40 CFR 63.10(e)	Yes	
40 CFR 63.10(f)	Yes	
40 CFR 63.11(a)-(b)	Yes	
40 CFR 63.11(c), (d), and (e)	Yes	
40 CFR 63.12(a)-(c)	Yes	
40 CFR 63.13(a)-(c)	Yes	
40 CFR 63.14(a)-(b)	Yes	
40 CFR 63.15(a)-(b)	Yes	

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**b. 40 CFR 63 Subpart A and ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

Pursuant to 40 CFR 63 Subpart A and Subpart ZZZZ, the Permittee shall comply with the following applicable General Provisions as indicated:

General Provision Citation	General Provision Applicable?	Subject of Citation	Explanation (if required)
40 CFR 63.1	Yes	General Applicability of the General Provisions	
40 CFR 63.2	Yes	Definitions	Additional terms defined in 40 CFR 63.6675
40 CFR 63.3	Yes	Units and Abbreviations	
40 CFR 63.4	Yes	Prohibited Activities and Circumvention	
40 CFR 63.5	Yes	Construction and reconstruction	
40 CFR 63.6(a)	Yes	Applicability	
40 CFR 63.6(b) (1)-(4)	Yes	Compliance dates for new and reconstructed sources	
40 CFR 63.6(b) (5)	Yes	Notification	
40 CFR 63.6(b) (6)		[Reserved]	
40 CFR 63.6(b) (7)	Yes	Compliance dates for new and reconstructed area sources that become major sources	
40 CFR 63.6(c) (1)-(2)	No	Compliance dates for existing sources	
40 CFR 63.6(c) (3)-(4)		[Reserved]	
40 CFR 63.6(c) (5)	Yes	Compliance dates for existing area sources that become major sources	
40 CFR 63.6(d)		[Reserved]	
40 CFR 63.6(e)	No	Operation and maintenance	
40 CFR 63.6(f) (1)	No	Applicability of standards	
40 CFR 63.6(f) (2)	Yes.	Methods for determining compliance	
40 CFR 63.6(f) (3)	Yes.	Finding of compliance	
40 CFR 63.6(g) (1)-(3)	Yes.	Use of alternate standard	
40 CFR 63.6(h)	No	Opacity and visible emission standards	Subpart ZZZZ does not contain opacity or visible emission standards.
40 CFR 63.6(i)	Yes.	Compliance extension procedures and criteria	
40 CFR 63.6(j)	Yes.	Presidential compliance exemption	
40 CFR 63.7(a) (1)-(2)	Yes	Performance test dates	Subpart ZZZZ contains performance test dates at 40 CFR 40 CFR 63.6610, 63.6611, and 63.6612.
40 CFR 63.7(a) (3)	Yes.	CAA section 114 authority	
40 CFR 63.7(b) (1)	Yes	Notification of performance test	Except that 40 CFR 63.7(b)(1) only applies as specified in 40 CFR 63.6645.
40 CFR 63.7(b) (2)	Yes	Notification of rescheduling	Except that 40 CFR 63.7(b)(2) only applies as specified in 40 CFR 63.6645.
40 CFR 63.7(c)	Yes	Quality assurance/test plan	Except that 40 CFR 63.7(c) only applies as specified in 40 CFR 63.6645.
40 CFR 63.7(d)	Yes.	Testing facilities	
40 CFR 63.7(e) (1)	No.	Conditions for conducting performance tests	Subpart ZZZZ specifies conditions for conducting performance tests at 40 CFR 63.6620.
40 CFR 63.7(e) (2)	Yes	Conduct of performance tests and reduction of data	Subpart ZZZZ specifies test methods at 40 CFR 63.6620.
40 CFR 63.7(e) (3)	Yes.	Test run duration	

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**7.2 - 40 CFR 63 Subpart A**  
**Requirements (NESHAP)**

General Provision Citation	General Provision Applicable?	Subject of Citation	Explanation (if required)
40 CFR 63.7(e) (4)	Yes.	Administrator may require other testing under section 114 of the CAA	
40 CFR 63.7(f)	Yes.	Alternative test method provisions	
40 CFR 63.7(g)	Yes.	Performance test data analysis, recordkeeping, and reporting	
40 CFR 63.7(h)	Yes.	Waiver of tests	
40 CFR 63.8(a) (1)	Yes	Applicability of monitoring requirements	Subpart ZZZZ contains specific requirements for monitoring at 40 CFR 63.6625.
40 CFR 63.8(a) (2)	Yes.	Performance specifications	
40 CFR 63.8(a) (3)		[Reserved]	
40 CFR 63.8(a) (4)	No.	Monitoring for control devices	
40 CFR 63.8(b) (1)	Yes.	Monitoring	
40 CFR 63.8(b) (2)-(3)	Yes.	Multiple effluents and multiple monitoring systems	
40 CFR 63.8(c) (1)	Yes.	Monitoring system operation and maintenance	
40 CFR 63.8(c) (1) (i)	No	Routine and predictable SSM	
40 CFR 63.8(c) (1) (ii)	Yes.	SSM not in Startup Shutdown Malfunction Plan	
40 CFR 63.8(c) (1) (iii)	No	Compliance with operation and maintenance requirements	
40 CFR 63.8(c) (2)-(3)	Yes.	Monitoring system installation	
40 CFR 63.8(c) (4)	Yes	Continuous monitoring system (CMS) requirements	Except that subpart ZZZZ does not require Continuous Opacity Monitoring System (COMS).
40 CFR 63.8(c) (5)	No	COMS minimum procedures	Subpart ZZZZ does not require COMS.
40 CFR 63.8(c) (6)-(8)	Yes	CMS requirements	Except that subpart ZZZZ does not require COMS.
40 CFR 63.8(d)	Yes.	CMS quality control	
40 CFR 63.8(e)	Yes	CMS performance evaluation	Except for 40 CFR 63.8(e) (5) (ii), which applies to COMS. Except that 40 CFR 63.8(e) only applies as specified in 40 CFR 63.6645.
40 CFR 63.8(f) (1)-(5)	Yes	Alternative monitoring method	Except that 40 CFR 63.8(f) (4) only applies as specified in 40 CFR 63.6645.
40 CFR 63.8(f) (6)	Yes	Alternative to relative accuracy test	Except that 40 CFR 63.8(f) (6) only applies as specified in 40 CFR 63.6645.
40 CFR 63.8(g)	Yes	Data reduction	Except that provisions for COMS are not applicable. Averaging periods for demonstrating compliance are specified at 40 CFR 40 CFR 63.6635 and 63.6640.
40 CFR 63.9(a)	Yes.	Applicability and State delegation of notification requirements	
40 CFR 63.9(b) (1)-(5)	Yes	Initial notifications	Except that 40 CFR 63.9(b) (3) is reserved. Except that 40 CFR 63.9(b) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(c)	Yes	Request for compliance extension	Except that 40 CFR 63.9(c) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(d)	Yes	Notification of special compliance requirements for new sources	Except that 40 CFR 63.9(d) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(e)	Yes	Notification of performance test	Except that 40 CFR 63.9(e) only applies as specified in 40 CFR 63.6645.

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**Section 7 - Other Requirements**  
**7.2 - 40 CFR 63 Subpart A**  
**Requirements (NESHAP)**

<i>General Provision Citation</i>	<i>General Provision Applicable?</i>	<i>Subject of Citation</i>	<i>Explanation (if required)</i>
40 CFR 63.9(f)	No	Notification of visible emission (VE)/opacity test	Subpart ZZZZ does not contain opacity or VE standards.
40 CFR 63.9(g)(1)	Yes	Notification of performance evaluation	Except that 40 CFR 63.9(g) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(g)(2)	No	Notification of use of COMS data	Subpart ZZZZ does not contain opacity or VE standards.
40 CFR 63.9(g)(3)	Yes	Notification that criterion for alternative to RATA is exceeded	If alternative is in use. Except that 40 CFR 63.9(g) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(h)(1)-(6)	Yes	Notification of compliance status	Except that notifications for sources using a CEMS are due 30 days after completion of performance evaluations. 40 CFR 63.9(h)(4) is reserved. Except that 40 CFR 63.9(h) only applies as specified in 40 CFR 63.6645.
40 CFR 63.9(i)	Yes.	Adjustment of submittal deadlines	
40 CFR 63.9(j)	Yes.	Change in previous information	
40 CFR 63.10(a)	Yes.	Administrative provisions for recordkeeping/reporting	
40 CFR 63.10(b)(1)	Yes	Record retention	Except that the most recent 2 years of data do not have to be retained on site.
40 CFR 63.10(b)(2)(i)-(v)	No.	Records related to SSM	
40 CFR 63.10(b)(2)(vi)-(xi)	Yes.	Records	
40 CFR 63.10(b)(2)(xii)	Yes.	Record when under waiver	
40 CFR 63.10(b)(2)(xiii)	Yes	Records when using alternative to RATA	For CO standard if using RATA alternative.
40 CFR 63.10(b)(2)(xiv)	Yes.	Records of supporting documentation	
40 CFR 63.10(b)(3)	Yes.	Records of applicability determination	
40 CFR 63.10(c)	Yes	Additional records for sources using CEMS	Except that 40 CFR 63.10(c)(2)-(4) and (9) are reserved.
40 CFR 63.10(d)(1)	Yes.	General reporting requirements	
40 CFR 63.10(d)(2)	Yes.	Report of performance test results	
40 CFR 63.10(d)(3)	No	Reporting opacity or VE observations	Subpart ZZZZ does not contain opacity or VE standards.
40 CFR 63.10(d)(4)	Yes.	Progress reports	
40 CFR 63.10(d)(5)	No.	Startup, shutdown, and malfunction reports	
40 CFR 63.10(e)(1) and (2)(i)	Yes.	Additional CMS Reports	
40 CFR 63.10(e)(2)(ii)	No	COMS-related report	Subpart ZZZZ does not require COMS.
40 CFR 63.10(e)(3)	Yes.	Excess emission and parameter exceedances reports	Except that 40 CFR 63.10(e)(3)(i)(C) is reserved.
40 CFR 63.10(e)(4)	No	Reporting COMS data	Subpart ZZZZ does not require COMS.
40 CFR 63.10(f)	Yes.	Waiver for recordkeeping/reporting	
40 CFR 63.11	No.	Flares	
40 CFR 63.12	Yes.	State authority and delegations	
40 CFR 63.13	Yes.	Addresses	
40 CFR 63.14	Yes.	Incorporation by reference	
40 CFR 63.15	Yes.	Availability of information	

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**4. 40 CFR 60 Subpart A Requirements (NSPS)**

**a. 40 CFR 60 Subpart A and Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

Pursuant to 40 CFR 60 Subpart A and **Subpart JJJJ**, the Permittee shall comply with the following applicable General Provisions as indicated:

<i>General Provision Citation</i>	<i>General Provision Applicable?</i>	<i>Subject of Citation</i>	<i>Explanation (if required)</i>
40 CFR 60.1	Yes	General Applicability of the General Provisions	
40 CFR 60.2	Yes	Definitions	Additional terms defined in 40 CFR 60.4219
40 CFR 60.3	Yes	Units and Abbreviations	
40 CFR 60.4	Yes	Address	
40 CFR 60.5	Yes	Determination of Construction or Modification	
40 CFR 60.6	Yes	Review of Plans	
40 CFR 60.7	Yes	Notification and Recordkeeping	Except that 40 CFR 60.7 only applies as specified in 40 CFR 60.4214.
40 CFR 60.8	Yes	Performance Tests	Except that 40 CFR 60.8 only applies to stationary CI ICE with a displacement of (≥30 liters per cylinder and engines that are not certified.
40 CFR 60.9	Yes	Availability of Information	
40 CFR 60.10	Yes	State Authority	
40 CFR 60.11	No	Compliance with Standards and Maintenance Requirements	Requirements are specified in subpart IIII.
40 CFR 60.12	Yes	Circumvention	
40 CFR 60.13	No	Monitoring Requirements	Except that 40 CFR 60.13 only applies to stationary CI ICE with a displacement of (≥30 liters per cylinder
40 CFR 60.14	Yes	Modification	
40 CFR 60.15	Yes	Reconstruction	
40 CFR 60.16	Yes	Priority List	
40 CFR 60.17	Yes	Incorporations by Reference	
40 CFR 60.18	No	General Control Device Requirements and Work Practice Requirements	
40 CFR 60.19	Yes	General Notification and Reporting Requirements	

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## Section 8 - State Only Requirements

### 1. Permitted Emissions for Fees

The annual emissions from the source for purposes of "Duties to Pay Fees" of Condition 2.3(e), not considering insignificant activities as addressed by Section 6, shall not exceed the following limitations. The overall source emissions shall be determined by adding emissions from all emission units. Compliance with these limits shall be determined on a calendar year basis. The Permittee shall maintain records with supporting calculations of how the annual emissions for fee purposes were calculated. This Condition is set for the purpose of establishing fees and is not federally enforceable. See Section 39.5(18) of the Act.

<i>Pollutant</i>		<i>Tons/Year</i>
Volatile Organic Material	(VOM)	491.84
Sulfur Dioxide	(SO <sub>2</sub> )	--
Particulate Matter	(PM)	--
Nitrogen Oxides	(NO <sub>x</sub> )	--
HAP, not included in VOM or PM	(HAP)	--
Total		491.84

## Attachment 1 - List of Emission Units at This Source

<i>Section</i>	<i>Emission Units</i>	<i>Description</i>
4.1	Tanks 420, 421, 422, 430, 431 and 490 Internal Floating Roof with Mechanical Shoe Primary Seal and Submerged Loading Pipe	Six internal floating roof storage tanks currently used to store gasoline. Permanent submerged loading is used on these tanks, minimizing turbulence and evaporation of VOM during loading.
4.2	Tank 439 External Floating Roof with Mechanical Shoe Primary Seal, Rim Mounted Secondary Seal and Submerged Loading Pipe	An external floating roof storage tank currently used to store gasoline. Permanent submerged loading is used on this tank, minimizing turbulence and evaporation of VOM during loading.
4.3	Tanks 423, 424, 432 and 433 Internal Floating Roof with Mechanical Shoe Primary Seal and Submerged Loading Pipe	Four internal floating roof storage tanks currently used to store gasoline. Permanent submerged loading is used on these tanks, minimizing turbulence and evaporation of VOM during loading.
4.4	Tank 462 Vertical Fixed Roof with Submerged Loading Pipe	One fixed roof storage tank currently used to store non-gasoline. Permanent submerged loading is used on this tank, minimizing turbulence and evaporation of VOM during loading.

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## Attachment 2 - Acronyms and Abbreviations

acfm	Actual cubic feet per minute
ACMA	Alternative Compliance Market Account
Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment trading unit
BACT	Best Available Control Technology
BAT	Best Available Technology
Btu	British Thermal Units
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAIR	Clean Air Interstate Rule
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CISWI	Commercial Industrial Solid Waste Incinerator
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
COMS	Continuous Opacity Monitoring System
CPMS	Continuous Parameter Monitoring System
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
ERMS	Emissions Reduction Market System
°F	Degrees Fahrenheit
GHG	Green house gas
GACT	Generally Acceptable Control Technology
gr	Grains
HAP	Hazardous air pollutant
Hg	Mercury
HMIWI	Hospital medical infectious waste incinerator
hp	Horsepower
hr	Hour
H <sub>2</sub> S	Hydrogen sulfide
I.D. No.	Identification number of source, assigned by IEPA
IAC	Illinois Administrative Code
ILCS	Illinois Compiled Statutes
IEPA	Illinois Environmental Protection Agency
kw	Kilowatts
LAER	Lowest Achievable Emission Rate
lbs	Pound

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m	Meter
MACT	Maximum Achievable Control Technology
M	Thousand
MM	Million
mos	Month
MSDS	Material Safety Data Sheet
MSSCAM	Major Stationary Sources Construction and Modification (Non-attainment New Source Review)
MW	Megawatts
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO <sub>x</sub>	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
PB	Lead
PEMS	Predictive Emissions Monitoring System
PM	Particulate matter
PM <sub>10</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
PM <sub>2.5</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 microns as measured by applicable test or monitoring methods
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
PSD	Prevention of Significant Deterioration
PSEU	Pollutant-Specific Emission Unit
psia	Pounds per square inch absolute
PTE	Potential to emit
RACT	Reasonable Available Control Technology
RMP	Risk Management Plan
scf	Standard cubic feet
SCR	Selective catalytic reduction
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur dioxide
T1	Title I - identifies Title I conditions that have been carried over from an existing permit
T1N	Title I New - identifies Title I conditions that are being established in this permit
T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit
USEPA	United States Environmental Protection Agency
VOM	Volatile organic material

## Attachment 3 - Contact and Reporting Addresses

<p>IEPA Compliance Section</p> <p>IEPA Stack Test Specialist</p> <p>IEPA Air Quality Planning Section</p> <p>IEPA Air Regional Field Operations Regional Office #3</p> <p>IEPA Permit Section</p>	<p>Illinois EPA, Bureau of Air Compliance &amp; Enforcement Section (MC 40) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p>
	<p>Illinois EPA, Bureau of Air Compliance Section Source Monitoring - Third Floor 9511 Harrison Street Des Plaines, Illinois 60016</p> <p>Phone No.: 847/294-4000</p>
	<p>Illinois EPA, Bureau of Air Air Quality Planning Section (MC 39) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p>
	<p>Illinois EPA, Bureau of Air Regional Office #3 2009 Mall Street Collinsville, Illinois 62234</p> <p>Phone No.: 618/346-5120</p>
	<p>Illinois EPA, Bureau of Air Permit Section (MC 11) 1021 North Grand Avenue East P.O. Box 19506 Springfield, Illinois 62794-9506</p> <p>Phone No.: 217/785-1705</p>
<p>USEPA Region 5 - Air Branch</p>	<p>USEPA (AR - 17J) Air and Radiation Division 77 West Jackson Boulevard Chicago, Illinois 60604</p> <p>Phone No.: 312/353-2000</p>

**Attachment 4 - Example Certification by a Responsible Official**

<b>SIGNATURE BLOCK</b>	
<p>NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE DEEMED AS INCOMPLETE.</p>	
<p>I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND COMPLETE. ANY PERSON WHO KNOWINGLY MAKES A FALSE, FICTITIOUS, OR FRAUDULENT MATERIAL STATEMENT, ORALLY OR IN WRITING, TO THE ILLINOIS EPA COMMITS A CLASS 4 FELONY. A SECOND OR SUBSEQUENT OFFENSE AFTER CONVICTION IS A CLASS 3 FELONY. (415 ILCS 5/44(H))</p>	
<p>AUTHORIZED SIGNATURE:</p>	
<p>BY: _____</p> <p style="text-align: center;">AUTHORIZED SIGNATURE</p> <p>_____</p> <p style="text-align: center;">TYPED OR PRINTED NAME OF SIGNATORY</p>	<p>_____</p> <p style="text-align: center;">TITLE OF SIGNATORY</p> <p>_____/_____/_____</p> <p style="text-align: center;">DATE</p>

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